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J. Seharaseyon
Art Unit 1647
Remsen 4C61
Mailbox 4C70
Phone: (571)-272-0892
Fax: (571)-273-0892

Point of Contact:

Alexandra Waclawiw

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NA# _____ AA# 1

S/L: _____ Oligomer: _____

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OM protein - protein search, using sw model

Run on: June 15, 2006, 07:14:19 ; Search time 186 Seconds
(Without alignments) 1108.229 Million cell updates/sec

Perfect score: 2315

Sequence: 1 MSGSDTILGLTALALSLA.....QQDKHSLSRNGTEQLAIR 445

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 2097797 seqs, 463214858 residues

Total number of hits satisfying chosen parameters: 2097797

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 1500 summaries

Database : Published Applications AA Main:*

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- 2: /EMC_Celerra_SIDS3/ptodata/2/pubppaa/US08_PUBCOMB.pep:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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751	2315	100.0	445	6	US-11-102-240-32
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753	2314	99.9	653	4	US-10-062-937B-5
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755	2280.5	98.5	648	5	US-10-330-773-825
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763	1121	48.4	654	4	US-10-062-937B-7
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766	1121	48.4	657	4	US-10-753-267-6
767	1121	48.4	657	6	US-11-080-991-48
768	1121	48.4	708	4	US-10-106-698-6390
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853	447	19.3	570	5	US-10-450-763-38444	Sequence 38444, A	1145	106	4.6	677	6	US-11-010-239-48	Sequence 48, Appl
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1093	228	9.8	329	4	US-10-220-120-317	Sequence 317, Ap	1166	102.5	4.4	395	2	US-08-900-230-5	Sequence 5, Appl
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1137	108.5	4.7	346	4	US-10-240-801A-11	Sequence 83, Appl	1210	99	4.3	371	3	US-09-905-253A-2	Sequence 2, Appl
1138	108.5	4.7	346	5	US-10-851-438-83		1211	99	4.3	371	4	US-10-201-187-2	Sequence 2, Appl

1212	99	4.3	371	4	US-10-225-567A-235	Sequence 235, App	1285	96.5	4.2	613	4	US-10-251-385-92	Sequence 92, App1
1213	99	4.3	371	4	US-10-293-798-664	Sequence 664, App	1286	96.5	4.2	953	4	US-10-128-714-1297	Sequence 3297, App
1214	99	4.3	371	4	US-10-603-566-2	Sequence 2, App1	1287	96.5	4.2	954	4	US-10-437-963-204079	Sequence 204079, App
1215	99	4.3	371	5	US-10-753-267-128	Sequence 128, App	1288	96.5	4.2	1056	4	US-10-128-714-1297	Sequence 8297, App
1216	99	4.3	371	5	US-10-893-485-2	Sequence 2, App1	1289	96	4.1	244	4	US-10-437-963-153664	Sequence 153664, App
1217	99	4.3	371	5	US-10-237-813-3	Sequence 3, App1	1290	96	4.1	338	4	US-10-343-650A-678	Sequence 678, App
1218	99	4.3	371	6	US-11-134-811-2	Sequence 2, App1	1291	96	4.1	416	4	US-10-335-977-5911	Sequence 5911, App
1219	99	4.3	373	6	US-11-218-281-1	Sequence 1, App1	1292	96	4.1	421	4	US-10-335-977-5912	Sequence 5912, App
1220	99	4.3	373	6	US-11-218-281-28	Sequence 28, App1	1293	96	4.1	438	4	US-10-282-122A-55742	Sequence 55742, App
1221	99	4.3	385	5	US-10-617-320-643	Sequence 4643, App	1294	96	4.1	670	4	US-10-282-122A-629771	Sequence 629771, App
1222	99	4.3	611	5	US-10-505-486-90	Sequence 90, App1	1295	96	4.1	786	4	US-10-424-599-254383	Sequence 254383, App
1223	99	4.3	788	4	US-10-322-281-663	Sequence 663, App	1296	96	4.1	2288	4	US-10-736-883-40	Sequence 40, App1
1224	98.5	4.3	394	4	US-10-282-122A-78100	Sequence 78100, App	1297	95.5	4.1	393	4	US-10-282-122A-43114	Sequence 43114, App
1225	98.5	4.3	442	4	US-10-369-453-18121	Sequence 58220, App	1298	95	4.1	292	4	US-10-276-774-1924	Sequence 1924, App
1226	98.5	4.3	485	4	US-10-732-923-23457	Sequence 18121, App	1299	95	4.1	308	4	US-10-017-161-692	Sequence 692, App
1227	98.5	4.3	485	5	US-10-732-923-23457	Sequence 23457, App	1300	95	4.1	318	5	US-10-793-626-1118	Sequence 3118, App
1228	98.5	4.3	496	6	US-11-097-143-11013	Sequence 11013, App	1301	95	4.1	319	4	US-10-221-079-21	Sequence 21, App1
1229	98.5	4.3	695	4	US-10-042-865-138	Sequence 138, App	1302	95	4.1	319	4	US-10-292-798-604	Sequence 604, App
1230	98.5	4.3	695	4	US-10-072-012-397	Sequence 397, App	1303	95	4.1	319	4	US-10-311-196-10	Sequence 21, App1
1231	98	4.2	318	3	US-09-800-274-6	Sequence 6, App1	1304	95	4.1	319	5	US-10-511-538-21	Sequence 21, App1
1232	98	4.2	318	4	US-10-225-567A-30	Sequence 30, App1	1305	95	4.1	484	6	US-11-188-298-18146	Sequence 18146, App
1233	98	4.2	318	4	US-10-755-889-600	Sequence 600, App	1306	95	4.1	530	4	US-10-724-972A-5048	Sequence 5048, App
1234	98	4.2	318	5	US-10-756-149-5650	Sequence 5650, App	1307	94.5	4.1	294	4	US-10-282-122A-44615	Sequence 44615, App
1235	98	4.2	318	6	US-11-127-877-38	Sequence 38, App1	1308	94.5	4.1	387	5	US-10-793-626-1180	Sequence 3180, App
1236	98	4.2	321	3	US-09-825-882-4	Sequence 4, App1	1309	94.5	4.1	416	4	US-10-282-122A-63267	Sequence 63267, App
1237	98	4.2	321	4	US-10-293-798-1732	Sequence 1732, App	1310	94.5	4.1	431	3	US-09-944-049-16	Sequence 16, App1
1238	98	4.2	321	4	US-10-724-208-4	Sequence 4, App1	1311	94.5	4.1	437	6	US-11-079-463-8067	Sequence 8067, App
1239	98	4.2	321	4	US-10-770-127-175	Sequence 175, App	1312	94.5	4.1	701	5	US-10-450-763-88957	Sequence 38967, App
1240	98	4.2	321	5	US-10-724-209-4	Sequence 4, App1	1313	94.5	4.1	735	4	US-10-437-963-162148	Sequence 162148, App
1241	98	4.2	321	5	US-10-986-871-4	Sequence 4, App1	1314	94.5	4.1	741	5	US-10-450-763-55419	Sequence 55419, App
1242	98	4.2	338	4	US-10-017-161-2140	Sequence 2086, App	1315	94.5	4.1	857	6	US-11-052-554A-218	Sequence 218, App
1243	98	4.2	338	4	US-10-017-161-2140	Sequence 2140, App	1316	94	4.1	49	4	US-10-062-937B-12	Sequence 12, App1
1244	98	4.2	338	4	US-10-232-798-1786	Sequence 1786, App	1317	94	4.1	49	4	US-10-331-399-80	Sequence 80, App1
1245	98	4.2	338	4	US-10-343-650A-676	Sequence 676, App	1318	94	4.1	335	4	US-10-333-946-11	Sequence 11, App1
1246	98	4.2	451	5	US-10-617-320-4466	Sequence 4466, App	1319	94	4.1	340	3	US-09-791-932-117	Sequence 117, App
1247	98	4.2	486	4	US-10-724-972A-4076	Sequence 4076, App	1320	94	4.1	340	3	US-09-990-940-2	Sequence 2, App1
1248	98	4.2	642	4	US-10-282-122A-51332	Sequence 51332, App	1321	94	4.1	340	3	US-09-964-923A-2	Sequence 2, App1
1249	98	4.2	663	3	US-09-815-242-10070	Sequence 10070, App	1322	94	4.1	340	4	US-10-235-567A-666	Sequence 666, App
1250	98	4.2	663	4	US-10-287-274-332	Sequence 332, App	1323	94	4.1	340	4	US-10-231-990-29	Sequence 29, App1
1251	98	4.2	663	4	US-10-282-122A-56452	Sequence 56452, App	1324	94	4.1	340	4	US-10-321-807-40	Sequence 40, App1
1252	97.5	4.2	250	4	US-10-282-122A-62825	Sequence 62825, App	1325	94	4.1	340	4	US-10-332-082-3	Sequence 3, App1
1253	97.5	4.2	250	4	US-10-282-122A-64530	Sequence 64530, App	1326	94	4.1	340	4	US-10-472-629-3	Sequence 3, App1
1254	97.5	4.2	373	4	US-10-225-567A-402	Sequence 402, App	1327	94	4.1	340	4	US-10-478-534-4	Sequence 4, App1
1255	97.5	4.2	374	5	US-10-242-489-3	Sequence 3, App1	1328	94	4.1	340	4	US-10-321-807-40	Sequence 40, App1
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1258	97.5	4.2	456	4	US-10-335-977-6164	Sequence 6164, App	1331	94	4.1	340	4	US-10-680-402-2	Sequence 2, App1
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1260	97.5	4.2	663	4	US-10-282-122A-78152	Sequence 78152, App	1333	94	4.1	340	5	US-10-500-672-37	Sequence 37, App1
1261	97	4.2	335	4	US-10-278-455-4	Sequence 4, App1	1334	94	4.1	340	5	US-10-941-486-5	Sequence 5, App1
1262	97	4.2	335	4	US-10-278-457-4	Sequence 4, App1	1335	94	4.1	340	5	US-10-930-662-40	Sequence 40, App1
1263	97	4.2	335	4	US-10-240-540-16	Sequence 16, App1	1336	94	4.1	340	5	US-10-980-388-117	Sequence 117, App
1264	97	4.2	335	5	US-10-975-367-16	Sequence 16, App1	1337	94	4.1	340	6	US-11-038-360-2	Sequence 2, App1
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1266	97	4.2	343	3	US-09-886-055-411	Sequence 411, App	1339	94	4.1	474	4	US-10-437-963-175542	Sequence 175542, App
1267	97	4.2	343	3	US-09-804-281-411	Sequence 411, App	1340	94	4.1	494	6	US-11-079-463-8915	Sequence 8915, App
1268	97	4.2	343	4	US-10-343-650A-496	Sequence 496, App	1341	94	4.1	495	3	US-09-915-181A-7	Sequence 7, App1
1269	97	4.2	343	5	US-10-467-252-13	Sequence 13, App1	1342	94	4.1	495	4	US-10-755-889-588	Sequence 588, App
1270	97	4.2	343	5	US-10-819-316-411	Sequence 411, App	1343	94	4.1	495	5	US-10-823-506-2	Sequence 2, App1
1271	97	4.2	440	6	US-11-087-099-10394	Sequence 10394, App	1344	94	4.1	495	5	US-10-631-467-768	Sequence 768, App
1272	97	4.2	528	6	US-11-097-143-44504	Sequence 24504, App	1345	94	4.1	518	4	US-10-104-047-3441	Sequence 3441, App
1273	97	4.2	540	5	US-10-732-923-22268	Sequence 22268, App	1346	94	4.1	518	6	US-11-072-512-3441	Sequence 3441, App
1274	97	4.2	613	4	US-10-251-385-212	Sequence 212, App	1347	94	4.1	536	6	US-09-776-865-2	Sequence 865, App
1275	97	4.2	613	4	US-10-225-567A-356	Sequence 356, App	1348	94	4.1	536	5	US-10-823-506-8	Sequence 8, App1
1276	97	4.2	663	3	US-09-781-880-5	Sequence 5, App1	1349	93.5	4.0	569	4	US-10-282-122A-75619	Sequence 75619, App
1277	97	4.2	663	3	US-10-466-720-2	Sequence 2, App1	1350	93.5	4.0	609	6	US-11-087-099-8265	Sequence 8265, App
1278	97	4.2	691	4	US-10-094-749-2607	Sequence 2607, App	1351	93.5	4.0	609	6	US-11-188-298-18635	Sequence 18635, App
1279	97	4.2	691	4	US-10-429-160-78	Sequence 78, App1	1352	93.5	4.0	633	3	US-09-949-029-4	Sequence 4, App1
1280	97	4.2	849	6	US-11-097-143-6303	Sequence 6303, App	1353	93.5	4.0	633	4	US-10-270-333-159	Sequence 159, App
1281	97	4.2	851	5	US-10-505-486-116	Sequence 116, App	1354	93.5	4.0	633	6	US-11-097-143-32514	Sequence 32514, App
1282	96.5	4.2	404	4	US-10-282-122A-67141	Sequence 67141, App	1355	93.5	4.0	649	4	US-10-282-122A-53761	Sequence 53761, App
1283	96.5	4.2	453	4	US-10-282-122A-70458	Sequence 70458, App	1356	93.5	4.0	865	6	US-11-188-298-17345	Sequence 17345, App
1284	96.5	4.2	454	4	US-10-724-972A-4461	Sequence 4461, App	1357	93.5	4.0	928	5	US-10-841-129-6	Sequence 6, App1

1358	93.5	4.0	950	5	US-10-733-923-22431	Sequence 22431, A	1431	91	3.9	369	3	US-09-826-508-36	Sequence 36, Appl
1359	93	4.0	237	6	US-11-096-5668A-19997	Sequence 19997, A	1432	91	3.9	369	5	US-10-149-826-7	Sequence 7, Appl
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1361	93	4.0	335	4	US-10-094-417-18	Sequence 18, Appl	1434	91	3.9	372	4	US-10-447-328-32	Sequence 32, Appl
1362	93	4.0	335	4	US-10-278-455-25	Sequence 25, Appl	1435	91	3.9	419	3	US-09-826-508-34	Sequence 34, Appl
1363	93	4.0	335	4	US-10-278-437-25	Sequence 25, Appl	1436	91	3.9	419	3	US-09-875-076-2	Sequence 2, Appl
1364	93	4.0	335	6	US-11-086-846-18	Sequence 18, Appl	1437	91	3.9	419	3	US-09-876-282-2	Sequence 8, Appl
1365	93	4.0	336	4	US-10-447-328-82	Sequence 82, Appl	1438	91	3.9	419	3	US-09-811-838-8	Sequence 8, Appl
1366	93	4.0	397	4	US-10-369-493-943	Sequence 943, App	1439	91	3.9	419	3	US-09-953-686-8	Sequence 8, Appl
1367	93	4.0	399	4	US-10-225-5678A-360	Sequence 360, App	1440	91	3.9	419	4	US-10-225-5678A-569	Sequence 569, App
1368	93	4.0	399	4	US-10-712-124-14	Sequence 14, Appl	1441	91	3.9	419	4	US-10-272-983-2	Sequence 2, Appl
1369	93	4.0	399	6	US-10-287-436A-579	Sequence 579, App	1442	91	3.9	419	4	US-10-275-703-1	Sequence 1, Appl
1370	93	4.0	399	6	US-11-152-366-45	Sequence 45, Appl	1443	91	3.9	419	4	US-10-393-807-2	Sequence 2, Appl
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1372	93	4.0	454	6	US-11-188-298-10739	Sequence 10739, A	1445	91	3.9	419	4	US-10-455-127-2	Sequence 2, Appl
1373	93	4.0	613	4	US-10-292-525-2	Sequence 2, Appl	1446	91	3.9	419	4	US-10-723-955-2	Sequence 2, Appl
1374	93	4.0	613	5	US-10-482-029-249	Sequence 249, App	1447	91	3.9	419	4	US-10-782-586-2	Sequence 2, Appl
1375	93	4.0	613	5	US-10-482-028C-2	Sequence 2, Appl	1448	91	3.9	419	5	US-10-684-286-18	Sequence 18, Appl
1376	92.5	4.0	296	6	US-11-188-298-16100	Sequence 16100, A	1449	91	3.9	419	5	US-10-723-955-2	Sequence 2, Appl
1377	92.5	4.0	354	6	US-11-096-5668A-23661	Sequence 23661, A	1450	91	3.9	419	6	US-11-067-884-8	Sequence 8, Appl
1378	92.5	4.0	504	4	US-10-238-075-614	Sequence 614, App	1451	91	3.9	439	4	US-10-282-122A-74025	Sequence 74025, A
1379	92.5	4.0	591	4	US-10-282-122A-74312	Sequence 74312, A	1452	91	3.9	439	5	US-10-472-928-2710	Sequence 2710, Ap
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1382	92	4.0	349	3	US-09-966-782A-11	Sequence 11, Appl	1455	91	3.9	657	5	US-10-505-486-48	Sequence 48, Appl
1383	92	4.0	349	3	US-09-992-331-12	Sequence 12, Appl	1456	91	3.9	779	5	US-10-425-115-239772	Sequence 239772, A
1384	92	4.0	349	4	US-10-090-569-5	Sequence 5, Appl	1457	91	3.9	913	5	US-10-957-503-3	Sequence 5, Appl
1385	92	4.0	349	4	US-10-212-980-7	Sequence 7, Appl	1458	91	3.9	913	5	US-10-957-503-3	Sequence 5, Appl
1386	92	4.0	349	4	US-10-225-5678A-126	Sequence 126, App	1459	91	3.9	2327	4	US-10-736-883-38	Sequence 38, Appl
1387	92	4.0	349	4	US-10-262-313-12	Sequence 12, App	1460	90.5	3.9	354	6	US-11-096-5688A-15100	Sequence 15100, A
1388	92	4.0	349	4	US-10-166-568-2	Sequence 2, Appl	1461	90.5	3.9	355	4	US-10-251-385-2	Sequence 2, Appl
1389	92	4.0	349	4	US-10-254-905-11	Sequence 11, Appl	1462	90.5	3.9	355	4	US-10-225-5678A-243	Sequence 243, App
1390	92	4.0	349	4	US-10-359-285-6	Sequence 6, Appl	1463	90.5	3.9	355	6	US-11-218-281-66	Sequence 26, Appl
1391	92	4.0	349	4	US-10-353-690-84	Sequence 84, Appl	1464	90.5	3.9	391	6	US-11-188-298-608	Sequence 608, App
1392	92	4.0	349	4	US-10-768-878-12	Sequence 12, Appl	1465	90.5	3.9	396	4	US-10-282-122A-50261	Sequence 50261, A
1393	92	4.0	349	6	US-11-060-291-17	Sequence 17, Appl	1466	90.5	3.9	407	6	US-11-188-298-22248	Sequence 22248, A
1394	92	4.0	350	6	US-10-474-776-235	Sequence 235, App	1467	90.5	3.9	442	4	US-10-335-977-5310	Sequence 5310, Ap
1395	92	4.0	413	5	US-10-472-928-544	Sequence 544, App	1468	90.5	3.9	445	3	US-09-799-978-34	Sequence 34, Appl
1396	92	4.0	413	5	US-10-299-642-32	Sequence 32, Appl	1469	90.5	3.9	445	4	US-10-649-852-34	Sequence 34, Appl
1397	92	4.0	446	4	US-10-195-518-6	Sequence 62, Appl	1470	90.5	3.9	446	4	US-10-282-122A-55022	Sequence 55022, A
1398	92	4.0	457	4	US-10-767-701-46532	Sequence 46532, A	1471	90.5	3.9	446	5	US-10-503-135-130	Sequence 130, App
1399	92	4.0	482	4	US-10-391-074-4	Sequence 4, Appl	1472	90.5	3.9	448	6	US-11-188-298-22202	Sequence 22202, A
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1401	92	4.0	1027	4	US-10-125-778-8	Sequence 8, Appl	1474	90.5	3.9	497	6	US-11-188-298-4972	Sequence 4972, Ap
1402	92	4.0	1027	4	US-10-268-051-8	Sequence 2, Appl	1475	90.5	3.9	515	5	US-09-897-019-2	Sequence 2, Appl
1403	92	4.0	1027	4	US-10-125-772-2	Sequence 2, Appl	1476	90.5	3.9	515	5	US-10-897-019-2	Sequence 2, Appl
1404	92	4.0	1027	4	US-10-016-496-2	Sequence 2, Appl	1477	90.5	3.9	520	4	US-11-087-089-7402	Sequence 7402, Ap
1405	92	4.0	1027	4	US-10-410-885-2	Sequence 2, Appl	1478	90.5	3.9	520	6	US-10-335-952-11	Sequence 11, Appl
1406	92	4.0	1027	5	US-11-085-964-2	Sequence 8, Appl	1479	90.5	3.9	638	4	US-10-501-282-2868	Sequence 2868, Ap
1407	92	4.0	1027	6	US-11-085-964-2	Sequence 2, Appl	1480	90.5	3.9	706	5	US-10-617-330-2860	Sequence 2860, Ap
1408	92	4.0	1027	6	US-11-086-832-2	Sequence 2, Appl	1481	90.5	3.9	861	5	US-10-369-493-3073	Sequence 3073, Ap
1409	92	4.0	1027	6	US-11-086-832-2	Sequence 2, Appl	1482	90.5	3.9	1046	4	US-10-732-923-22586	Sequence 22586, A
1410	92	4.0	1027	6	US-11-079-463-6200	Sequence 6200, Ap	1483	90.5	3.9	4226	3	US-09-800-321A-73	Sequence 73, Appl
1411	92	4.0	1083	6	US-10-208-731-6	Sequence 6, Appl	1484	90	3.9	324	4	US-10-305-555-11	Sequence 11, Appl
1412	92	4.0	1170	4	US-10-033-026-10	Sequence 10, Appl	1485	90	3.9	324	4	US-09-725-285-9	Sequence 9, Appl
1413	92	4.0	2336	4	US-10-736-883-30	Sequence 30, Appl	1486	90	3.9	329	3	US-09-195-6622A-9	Sequence 9, Appl
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ALIGNMENTS

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Patent No. US20020072067A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botschein, David
APPLICANT: Deenoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gottlieb, Mary E.
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APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
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APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C63
CURRENT FILING DATE: 2001-11-19
CURRENT APPLICATION NUMBER: US/09/989,722
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;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2315; DB 3; Length 445;

Best Local Similarity 100.0%; Pred. No. 2,1e-211; Indels 0; Gaps 0;

Matches 445; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 121 LTFQPLMTFALIFEFVWLVAVVLSLGTAGAAQVWEGGVEXKPLSGIRYMSYHLGLI 180

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RESULT 2

;; Sequence 177, Application US/09389723
;; Patent No. US20020072092A1
;; GENERAL INFORMATION:
;; APPLICANT: Ashkenazi, Avi J.
;; APPLICANT: Baker, Kevin P.
;; APPLICANT: Botstein, David
;; APPLICANT: Deenoyere, Luc
;; APPLICANT: Eaton, Dan L.
;; APPLICANT: Ferrara, Napoleone
;; APPLICANT: Fong, Sherman
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;; APPLICANT: Stewart, Timothy A.
;; APPLICANT: Tumas, Daniel
;; APPLICANT: Watanabe, Colin K.
;; APPLICANT: Williams, P. Mickey
;; APPLICANT: Wood, William I.
;; APPLICANT: Zhang, Zemin
;; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;; FILE REFERENCE: P2730P1C62
;; CURRENT APPLICATION NUMBER: US/09/389,723
;; PRIOR FILING DATE: 2001-11-19
;; PRIOR APPLICATION NUMBER: 60/049787
;; PRIOR FILING DATE: 1997-06-16
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; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
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Query Match      100.0%; Score 2315; DB 3; Length 445;
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Matches 445; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
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PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2315; DB 3; Length 445;
Best Local Similarity 100.0%; Pred. No. 2,1e-211;
Matches 445; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 121 LFPQPLMTFAILIFFVWLVAVLVLSGTAGAAQMEGGOVEYKPLSGIRYMSYHLGLI 180
QY 181 WTSEFIACCOMTAGAVVTCYFNRSKNDPPDHPILSSLSLFFYHOGTVVKSFLISVV 240
DB 181 WTSEFIACCOMTAGAVVTCYFNRSKNDPPDHPILSSLSLFFYHOGTVVKSFLISVV 240
QY 241 RIPRIIVMYQNALKEQHGALSRYLFRCCYCCFWCLDKTLLHNONAYTTTAINGTDFC 300
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QY 301 TSAADAFKILSKNSHTSINCFDPIIFLGKVLVCFYFGGIMATRYNRAFOVMAVPL 360
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QY 361 LVAFFAYLVAAHSLSFETVLDLFLCPAVDLETNDSSEKPYFMOEFSLFYKRSNKL 420
DB 361 LVAFFAYLVAAHSLSFETVLDLFLCPAVDLETNDSSEKPYFMOEFSLFYKRSNKL 420
QY 421 NNARAQODKSLRNEEGTELOAIYR 445
DB 421 NNARAQODKSLRNEEGTELOAIYR 445

RESULT 4
Sequence 177, Application US/09989727
Patent No. US20020072497A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman

APPLICANT: Gerber, Hanspeter
APPLICANT: Gerriksen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, T. Christopher
APPLICANT: Gurney, Auerin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730PIC65
CURRENT FILING DATE: 2001-11-19
PRIOR APPLICATION NUMBER: US/09/989,727
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PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2315; DB 3; Length 445;

Best Local Similarity 100.0%; Pred. No. 2.1e-211;
Matches 445; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 301 TSAQDAFILSKNSHFTSINCFGDFIIFLQKVLVVCFTVFGGLMAFNYNRAFOVMVAVL 360

QY 361 LTVAFPAVLVAHSLSYPEVTLDALFLCEAVDLETNQSSSEKPYFMDOEFLSVKRSNKL 420
DB 361 LTVAFPAVLVAHSLSYPEVTLDALFLCEAVDLETNQSSSEKPYFMDOEFLSVKRSNKL 420
QY 421 NNARAQODKXSLRNEEGTELQAIYR 445
DB 421 NNARAQODKXSLRNEEGTELQAIYR 445

RESULT 5

Sequence 177, Application US/09989731
Patent No. US20020103125A1

GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Bolstein, David
APPLICANT: Deenoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
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APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Collin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C70
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Query Match 100.0%; Score 2315; DB 3; Length 445;
Best Local Similarity 100.0%; Pred. No. 2,1e-21; Indels 0; Gaps 0;
Matches 445; Conservative 0; Mismatches 0;

Qy 1 MSGRDTIGLCIALALSLAMFTFRITTLVHIFISLVILGLLFCVGVLMWLYDYDTN 60
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Qy 61 DLSTELDERENMKCVLGPATVSTGTAVLVLIIFVLKRIKLTJVELFOITNKATSSAPF 120
Db 61 DLSTELDERENMKCVLGPATVSTGTAVLVLIIFVLKRIKLTJVELFOITNKATSSAPF 120
Qy 121 LLFQPLMTFALLIFPMVLVAVLISLGTAGAAQWEGQVEKPKLSGIRYMSYHLIGLI 180
Db 121 LLFQPLMTFALLIFPMVLVAVLISLGTAGAAQWEGQVEKPKLSGIRYMSYHLIGLI 180
Qy 181 WTSEIILACQOQMTIAGAVVTCYFNRSKNDPPDHPILSLISLIFPHOQTGVKGSFLISV 240
Db 181 WTSEIILACQOQMTIAGAVVTCYFNRSKNDPPDHPILSLISLIFPHOQTGVKGSFLISV 240
Qy 241 RIPRIIVVMONALKEQOQHSRLPRCCYCCFCLPKYLLHLMQNNYTTTALINGTGPC 300
Db 241 RIPRIIVVMONALKEQOQHSRLPRCCYCCFCLPKYLLHLMQNNYTTTALINGTGPC 300
Qy 301 TSAADAFKILSKNSHFTSINCDFGFIIFLGKVLVVCFTVFGGLMAFYNAFQWAVPL 360
Db 301 TSAADAFKILSKNSHFTSINCDFGFIIFLGKVLVVCFTVFGGLMAFYNAFQWAVPL 360
Qy 361 LLVAFPAVLVAHSPLSVETVLDALFLCPAVDLETNDSSEKPYMDOEFLSPVRSNKL 420
Db 361 LLVAFPAVLVAHSPLSVETVLDALFLCPAVDLETNDSSEKPYMDOEFLSPVRSNKL 420
Qy 421 NNARAOQDKHSIRNEGETELQAVR 445
Db 421 NNARAOQDKHSIRNEGETELQAVR 445

RESULT 6

; Sequence 177, Application US/09989732

; Patent No. US20020123463A1

; GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi J.

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Deemoyers, Luc

; APPLICANT: Eaton, Dan L.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Fong, Sherman

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Gertlesen, Mary E.

; APPLICANT: Goddard, Audrey

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; APPLICANT: Gurney, Aubin L.

; APPLICANT: Kijavlin, Ivar J.

; APPLICANT: Napier, Mary A.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.

; APPLICANT: Roy, Margaret Ann

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Wacanabe, Colin K.

; APPLICANT: Williams, P. Mickey

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; FILE REFERENCE: P2730P1C57

; CURRENT APPLICATION NUMBER: US/09/989,732

; CURRENT FILING DATE: 2001-11-19

; PRIOR APPLICATION NUMBER: 60/049787

; PRIOR FILING DATE: 1997-06-16

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PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2315; DB 3; Length 445;
Best Local Similarity 100.0%; Pred. No. 2,1e-211;
Matches 445; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 121 LLFQPLWTFALLFFWVLMVAVLLSLGTAGAAQVMEGGQVEYKPLSGIRYMSYHLGLI 180
QY 181 WTSEFIILACQOMTITAGAVVTCYFNRSKODPPDHILSLSLFPHYHGTYYKGSFLISV 240
DB 181 WTSEFIILACQOMTITAGAVVTCYFNRSKODPPDHILSLSLFPHYHGTYYKGSFLISV 240
QY 241 RIRPIIYWMONALKEOHGALSRYLPRCCYCCFMCCLKYLLHNONAYTTTAINGTDFC 300
DB 241 RIRPIIYWMONALKEOHGALSRYLPRCCYCCFMCCLKYLLHNONAYTTTAINGTDFC 300
QY 301 TSAADAFKILSKNSHFTSINCFDFTIIFLGKVLVCFYVFGMLAFYNAFQWMAVPL 360
DB 301 TSAADAFKILSKNSHFTSINCFDFTIIFLGKVLVCFYVFGMLAFYNAFQWMAVPL 360
QY 361 LLVAFPAVLVAHSLVSFETVLDLFLCFANDLRTNDGSSSKYFPMOEFSLFYKRSKL 420
DB 361 LLVAFPAVLVAHSLVSFETVLDLFLCFANDLRTNDGSSSKYFPMOEFSLFYKRSKL 420
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RESULT 7
Sequence 177, Application US/09991073

Patent No. US20020127576A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Bostein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gutney, Austin L.
APPLICANT: Klavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel

APPLICANT: Matanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P.C15
CURRENT FILING DATE: US/09/991,073
PRIOR FILING DATE: 2001-11-14
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
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Best Local Similarity 100.0%; Pred. No. 2.1e-211;
Matches 445; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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; Patent No. US20020132252A1
; GENERAL INFORMATION:

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; APPLICANT: Ashkenazi, Avi J.
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; APPLICANT: Zhang, Zemin
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PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2315; DB 3; Length 445;
Best Local Similarity 100.0%; Pred. No. 2, 1e-211; Indels 0; Gaps 0;
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QY 181 WTSEFIACQOMTITAGAVVTCYFNRSNDPPDHPILSSLSILFFYHOGTVVKSFFLSIVV 240
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; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
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; APPLICANT: Gerritsen, Mary E.
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; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C17
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PRIOR FILING DATE: 1998-07-09

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GENERAL INFORMATION:
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APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
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FILE REFERENCE: P2730PIC25
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137 PRIOR APPLICATION NUMBER: 60/090694
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140 PRIOR FILING DATE: 1998-06-25
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142 PRIOR FILING DATE: 1998-06-25
143 PRIOR APPLICATION NUMBER: 60/090862
144 PRIOR FILING DATE: 1998-06-26
145 PRIOR APPLICATION NUMBER: 60/090863
146 PRIOR FILING DATE: 1998-06-26

PRIOR APPLICATION NUMBER: 60/091360
PRIOR FILING DATE: 1998-07-03
PRIOR APPLICATION NUMBER: 60/091478
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091544
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091519
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091626
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091633
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2315; DB 3; Length 445;
Best Local Similarity 100.0%; Pred. No. 2.1e-211;
Matches 445; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSGRDTILGCIILALSLAMFTFRFTTTLVHIFISLVILGLFVCGVLMMLYYDTN 60
DB 1 MSGRDTILGCIILALSLAMFTFRFTTTLVHIFISLVILGLFVCGVLMMLYYDTN 60
QY 61 DLSIEDTERENMKCVLGFALVSTGTVALLVLIIVLKRRIKLTVLFOITNKAISSAF 120
DB 61 DLSIEDTERENMKCVLGFALVSTGTVALLVLIIVLKRRIKLTVLFOITNKAISSAF 120
QY 121 LLFQPLWTFALLIFPWVLMVAVLSLGTAGAAQWEGQVEYKPLSGIRYMSYHLGLI 180
DB 121 LLFQPLWTFALLIFPWVLMVAVLSLGTAGAAQWEGQVEYKPLSGIRYMSYHLGLI 180
QY 181 WTSEFIILACQOMTLAGAVVTCYFNRSKNDPPDHPIILSLSLTFYHQSTVVGKSFILSV 240
DB 181 WTSEFIILACQOMTLAGAVVTCYFNRSKNDPPDHPIILSLSLTFYHQSTVVGKSFILSV 240
QY 241 RIPRIIWMYNALKEQGHLSRYLFRCCYCCFMCIDKYLHLNNAVYTTAINGDFC 300
DB 241 RIPRIIWMYNALKEQGHLSRYLFRCCYCCFMCIDKYLHLNNAVYTTAINGDFC 300
QY 301 TSAADAPRILSKNSHFTSINCDFDFTFLGKVLVVCVTVGGMAFYNAFQVMAVPL 360
DB 301 TSAADAPRILSKNSHFTSINCDFDFTFLGKVLVVCVTVGGMAFYNAFQVMAVPL 360
QY 361 LLVAFPAVLVHSHFSVPEYVLDALFLCFPAVDLEETNDSSSEKPYFMDQEFISFYKRSKL 420
DB 361 LLVAFPAVLVHSHFSVPEYVLDALFLCFPAVDLEETNDSSSEKPYFMDQEFISFYKRSKL 420
QY 421 NNARAQODKHSLRNEEGTELQAVR 445
DB 421 NNARAQODKHSLRNEEGTELQAVR 445

RESULT 11
Sequence 177, Application US/09990456
Patent No. US20020137890A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Bocstein, David
APPLICANT: Deenoeyer, Luc
APPLICANT: Batcon, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Maty E.
APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.

APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Marande, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secured and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C22
CURRENT FILING DATE: 2001-11-14
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
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;; PRIOR APPLICATION NUMBER: 60/091360
;; PRIOR FILING DATE: 1998-07-01
;; PRIOR APPLICATION NUMBER: 60/091478
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;; PRIOR FILING DATE: 1998-07-01
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;; PRIOR APPLICATION NUMBER: 60/091633
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091978
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/091982
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2315; DB 3; Length 445;
Best Local Similarity 100.0%; Pred. No. 2, 1e-211;
Matches 445; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSGRDTTIGCTIALALSLAMFTFRFTTLVHIFISLVILGLLFCVGLMLVYDYN 60
Db 1 MSGRDTTIGCTIALALSLAMFTFRFTTLVHIFISLVILGLLFCVGLMLVYDYN 60
Qy 61 DLSIELTERENKCVGFIVSGITAVLVLFVRKRIKLVLEFQITNKAISSAPF 120
Db 61 DLSIELTERENKCVGFIVSGITAVLVLFVRKRIKLVLEFQITNKAISSAPF 120
Qy 121 LLEPPLMTFAILFFVWLVAVALLSLGTAGAQMVEGGQVBYKPLSGIRYMSYHLIGLI 180
Db 121 LLEPPLMTFAILFFVWLVAVALLSLGTAGAQMVEGGQVBYKPLSGIRYMSYHLIGLI 180
Qy 181 WTSEFILACQOMTITAGAVVTCYFNRSKNDDPDHPISSLSLFFYHGTAVKGSFLISV 240
Db 181 WTSEFILACQOMTITAGAVVTCYFNRSKNDDPDHPISSLSLFFYHGTAVKGSFLISV 240
Qy 241 RIPRIIYMNOMNAKEOHGALSRYLPRCCYCCWCMDKTLHNONAYTTTAINGDFC 300
Db 241 RIPRIIYMNOMNAKEOHGALSRYLPRCCYCCWCMDKTLHNONAYTTTAINGDFC 300
Qy 301 TSAADAFKILSKNSHFTSINCFDFTIFLQKVLVCFYFGGLMAFNRYRAFQVMAVPL 360
Db 301 TSAADAFKILSKNSHFTSINCFDFTIFLQKVLVCFYFGGLMAFNRYRAFQVMAVPL 360
Qy 361 LVAFAVLYVAHSELSVFETVLDLFLCFAVDLETNDSSSEKPYFMDQEFLSFYKRSNKL 420
Db 361 LVAFAVLYVAHSELSVFETVLDLFLCFAVDLETNDSSSEKPYFMDQEFLSFYKRSNKL 420
Qy 421 NNARAQODKXISIRNEBGETELQATYR 445
Db 421 NNARAQODKXISIRNEBGETELQATYR 445

Db 421 NNARAQODKSHLRNEEGTELQAIWR 445

RESULT 12
Sequence 177, Application US/09989721
Patent No. US20020142961A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Deenoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gertlisen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Guiney, Aubin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C55
CURRENT FILING DATE: 2001-11-19
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
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;; PRIOR APPLICATION NUMBER: 60/090349
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;; PRIOR APPLICATION NUMBER: 60/091982
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2315; DB 3; Length 445;
Best Local Similarity 100.0%; Pred. No. 2,1e-211;
Matches 445; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 MSGRDTIGLCLIALALSLAMWTFRTTLLVHIFISVITIGLIFCGVLMWLYDYDTN 60
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Oy 61 DLSIELDTERENMKCVLGFPAIVSTGTAIVLVLFVLRKRKIKLTVLEFQITNKAISSAPF 120
Db 61 DLSIELDTERENMKCVLGFPAIVSTGTAIVLVLFVLRKRKIKLTVLEFQITNKAISSAPF 120
Oy 121 LLFQPLWTFALLIFFWYLVAVVLSLSTGNAQVMEGQVEYKPLSGIRYMSYHLIGLI 180
Db 121 LLFQPLWTFALLIFFWYLVAVVLSLSTGNAQVMEGQVEYKPLSGIRYMSYHLIGLI 180

Db 121 LLFQPLWTFALLIFFWYLVAVVLSLSTGNAQVMEGQVEYKPLSGIRYMSYHLIGLI 180
Oy 181 WTSEFIACQOMTAGAVVMCYFNRSKNDDPDHILSSLSILFFYHOGTVVKSFLISVY 240
Db 181 WTSEFIACQOMTAGAVVMCYFNRSKNDDPDHILSSLSILFFYHOGTVVKSFLISVY 240
Oy 241 RIPRIIWMYQNALKEQOHGALSRYLPRCCYCCFCWCDKYLHLNQNAYTTTAINGTDFC 300
Db 241 RIPRIIWMYQNALKEQOHGALSRYLPRCCYCCFCWCDKYLHLNQNAYTTTAINGTDFC 300
Oy 301 TSAADAKFIIISKNSHTSINCRGDFIIFLGKLVVCFYFGGLMAYNNRAFPQVAVPL 360
Db 301 TSAADAKFIIISKNSHTSINCRGDFIIFLGKLVVCFYFGGLMAYNNRAFPQVAVPL 360
Oy 361 LVVAFPAIVVAHSFLSPFETVLDLFLCPAVDLETNDSSEKPYFMDQEFISFYKRSNKL 420
Db 361 LVVAFPAIVVAHSFLSPFETVLDLFLCPAVDLETNDSSEKPYFMDQEFISFYKRSNKL 420
Oy 421 NNARAQODKHSLRNEEGTELOAIVR 445
Db 421 NNARAQODKHSLRNEEGTELOAIVR 445

RESULT 13
; Sequence 177, Application US/09992598
; Patent No. US20020160384A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Deenoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gottfries, Mary B.
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; APPLICANT: Paoni, Nicholas F.
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; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secured and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730PIC20
; CURRENT FILING DATE: US/09/992,598
; PRIOR FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600

[illegible]

;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/091982
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2315; DB 3; Length 445;
Best Local Similarity 100.0%; Pred. No. 2,1e-211;
Matches 445; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSGRDTIGLCIALALSLAMFFRTPTLLVHIFISLVILGLFVCGVLMWLYDTN 60
DB 1 MSGRDTIGLCIALALSLAMFFRTPTLLVHIFISLVILGLFVCGVLMWLYDTN 60
QY DLSIEDTERENMKCVLGFATVSTGTAVLVLVLFVLRKRIKLTVELFOITNKATSSAPF 120
DB DLSIEDTERENMKCVLGFATVSTGTAVLVLVLFVLRKRIKLTVELFOITNKATSSAPF 120
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QY 361 LLVAFATLVVHSPFSVETVLDALFLCPAYDLFENDDSSSEKPYMDPEFLSPYKSKYL 420
DB 361 LLVAFATLVVHSPFSVETVLDALFLCPAYDLFENDDSSSEKPYMDPEFLSPYKSKYL 420
QY 421 NNARAQODKHSLRNEGTELOAIVR 445
DB 421 NNARAQODKHSLRNEGTELOAIVR 445

RESULT 14
; Sequence 177, Application US/09889293A
; Patent No. US20020177164A1

;; GENERAL INFORMATION:
;; APPLICANT: Ashkenazi, Avi J.
;; APPLICANT: Baker, Kevin P.
;; APPLICANT: Botstein, David
;; APPLICANT: Desnoyers, Luc
;; APPLICANT: Eaton, Dan L.
;; APPLICANT: Ferrara, Napoleone
;; APPLICANT: Fong, Sherman
;; APPLICANT: Gerber, Hanspeter
;; APPLICANT: Gerritsen, Mary E.
;; APPLICANT: Goddard, Audrey
;; APPLICANT: Godowski, Paul J.
;; APPLICANT: Grimaldi, J. Christopher
;; APPLICANT: Gurney, Auecin L.
;; APPLICANT: Kljavin, Ivar J.
;; APPLICANT: Napier, Mary A.
;; APPLICANT: Pan, James
;; APPLICANT: Paoni, Nicholas P.
;; APPLICANT: Roy, Margaret Ann
;; APPLICANT: Stewart, Timothy A.
;; APPLICANT: Tumas, Daniel
;; APPLICANT: Watanabe, Colin K.
;; APPLICANT: Williams, P. Mickey
;; APPLICANT: Wood, William I.
;; APPLICANT: Zhang, Zemin
;; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;; TITLE OF INVENTION: Acids Encoding the Same

;; FILE REFERENCE: P2730P1C66
;; CURRENT APPLICATION NUMBER: US/09/989,293A
;; CURRENT FILING DATE: 2001-11-20
;; PRIOR APPLICATION NUMBER: 60/049787
;; PRIOR FILING DATE: 1997-06-16
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PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2315; DB 3; Length 445;
Best Local Similarity 100.0%; Pred. No. 2,1e-211;
Matches 445; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 MSGRDTLGCITLALSLAMMFFERTTLVHIFISLVILGLFVCGVLMVLYDYTN 60

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61 DLSIELDERENMKCVLGFIVSTGITAVALVLI.FVLRKRILKLTVEL.FQITNKAISSAPF 120
Db 61 DLSIELDERENMKCVLGFIVSTGITAVALVLI.FVLRKRILKLTVEL.FQITNKAISSAPF 120

QY 121 LLPPLMTFAILIFFWLWVAVALSLGTAGAAQVMEGQVEYKLSGIRYMSYHLGLI 180
121 LLPPLMTFAILIFFWLWVAVALSLGTAGAAQVMEGQVEYKLSGIRYMSYHLGLI 180
Db 121 LLPPLMTFAILIFFWLWVAVALSLGTAGAAQVMEGQVEYKLSGIRYMSYHLGLI 180

QY 181 WTSEFIIACQOMTAGAVVTCYFNRKNDPPDHPILSSLSLFFPYHGTVVKGSFLISVV 240
181 WTSEFIIACQOMTAGAVVTCYFNRKNDPPDHPILSSLSLFFPYHGTVVKGSFLISVV 240
Db 181 WTSEFIIACQOMTAGAVVTCYFNRKNDPPDHPILSSLSLFFPYHGTVVKGSFLISVV 240

QY 241 RIRPIIWMQNALKEOQHGLSRVLPFCYCCFCWCLDKYLLHNONAYTTTAINGTDFC 300
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301 TSAADAFKILSKNSHTSINCEDFIIFLGKVLVCFYFGGIMAFNYRAPOVMAVPL 360
Db 301 TSAADAFKILSKNSHTSINCEDFIIFLGKVLVCFYFGGIMAFNYRAPOVMAVPL 360

QY 361 LTVAFPAIVLAHSLVFEVTVLDALFLCPAVDLETNDSSSEKPYFMDQEFISFKRSNKL 420
361 LTVAFPAIVLAHSLVFEVTVLDALFLCPAVDLETNDSSSEKPYFMDQEFISFKRSNKL 420
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QY 421 NNARAQODKSLRNEEGTELOAIVR 445
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Db 421 NNARAQODKSLRNEEGTELOAIVR 445

RESULT 15
; Sequence 177, Application US/09989735
; Publication No. US20020193299A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Boctstein, David
; APPLICANT: Deenooyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone

APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerlisen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Matanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C61
CURRENT FILING DATE: 2001-11-19
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
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GenCore version 5.1.9
Copyright (c) 1993 - 2006 BioCeleration Ltd.

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(without alignments)
170,131 Million cell updates/sec

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Total number of hits satisfying chosen parameters: 96747

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1500 summaries

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8: /EMC_Celerra_SIDS3/ptodata/1/pubppaa/US60_NEW_PUB pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
2	2315	100.0	445	7	US-11-101-316-32
3	495.5	21.4	663	6	US-10-504-973-3
4	428	18.5	321	7	US-11-101-316-10
5	382	16.5	711	6	US-10-449-902-49846
6	377	16.3	711	6	US-10-449-902-36352
7	335.5	14.5	363	6	US-10-953-349-11171
8	326.5	14.1	353	6	US-10-953-349-11172
9	300.5	13.0	325	6	US-10-953-349-11173
10	222	9.6	366	6	US-10-953-349-17831
11	192.5	8.3	305	6	US-10-953-349-17832
12	187.5	8.1	521	6	US-10-953-349-17833
13	186	8.0	523	6	US-10-449-902-50623
14	119	5.1	875	6	US-10-471-571A-4802
15	111	4.8	462	6	US-10-953-349-7915
16	111	4.8	482	6	US-10-953-349-7914
17	111	4.8	488	6	US-10-953-349-7913
18	104.5	4.5	526	6	US-10-449-902-34698
19	104.5	4.2	526	6	US-10-449-902-52054
20	97	4.2	691	6	US-10-511-937-2995
21	96	4.1	444	6	US-10-449-902-28630
22	95.5	4.1	446	6	US-10-953-349-29132
23	95	4.1	426	6	US-10-953-349-2536
24	95	4.1	649	6	US-10-953-349-2595
25	95	4.1	667	6	US-10-953-349-2594
26	94.5	4.1	354	6	US-10-449-902-30637
27	94	4.1	343	6	US-10-449-902-33525

28	93.5	4.0	381	6	US-10-449-902-39631	Sequence 39631, A
29	92.5	4.0	354	6	US-10-449-902-43516	Sequence 43516, A
30	91	3.9	355	6	US-10-953-349-31241	Sequence 31241, A
31	90	3.9	352	6	US-10-953-349-29133	Sequence 29133, A
32	89.5	3.9	366	6	US-10-953-349-10070	Sequence 30070, A
33	89.5	3.9	376	6	US-10-953-349-10069	Sequence 30069, A
34	89.5	3.9	418	6	US-10-953-349-10300	Sequence 10300, A
35	89.5	3.9	425	6	US-10-953-349-10068	Sequence 10068, A
36	89.5	3.9	440	6	US-10-953-349-10259	Sequence 10259, A
37	89.5	3.9	475	6	US-10-953-349-10298	Sequence 10298, A
38	89	3.8	350	6	US-10-471-571A-3982	Sequence 3982, A
39	88	3.8	518	6	US-10-471-571A-1078	Sequence 1078, A
40	88	3.8	483	6	US-10-449-902-66874	Sequence 46874, A
41	87.5	3.8	351	6	US-10-953-349-43430	Sequence 24340, A
42	87	3.8	281	6	US-10-449-902-53326	Sequence 33326, A
43	87	3.8	328	6	US-10-449-902-44779	Sequence 44779, A
44	87	3.8	787	6	US-10-449-902-45166	Sequence 45166, A
45	86.5	3.7	344	6	US-10-994-679-9	Sequence 9, Appl1
46	86.5	3.7	599	6	US-10-471-571A-2538	Sequence 2538, A
47	86	3.7	400	6	US-10-471-571A-3540	Sequence 3540, A
48	85.5	3.7	619	6	US-10-449-902-38751	Sequence 38751, A
49	85	3.7	355	6	US-10-449-902-50010	Sequence 50010, A
50	85	3.7	406	6	US-10-471-571A-3932	Sequence 3932, A
51	85	3.7	770	6	US-10-449-902-43017	Sequence 43017, A
52	85	3.7	403	6	US-10-471-571A-5246	Sequence 5246, A
53	84.5	3.7	458	7	US-11-217-529-3	Sequence 3, Appl1
54	84.5	3.7	522	6	US-10-449-902-48288	Sequence 48288, A
55	84.5	3.7	372	6	US-10-953-349-11418	Sequence 11418, A
56	83.5	3.6	423	6	US-10-953-349-12475	Sequence 12475, A
57	83.5	3.6	459	6	US-10-953-349-11417	Sequence 11417, A
58	83.5	3.6	465	6	US-10-471-571A-1832	Sequence 1832, A
59	83.5	3.6	481	6	US-10-953-349-12474	Sequence 2474, A
60	83.5	3.6	494	6	US-10-471-571A-1740	Sequence 1740, A
61	83.5	3.6	499	6	US-10-953-349-11416	Sequence 11416, A
62	83.5	3.6	319	6	US-10-953-349-29134	Sequence 29134, A
63	83	3.6	536	6	US-10-953-349-27707	Sequence 27707, A
64	83	3.6	538	6	US-10-953-349-27706	Sequence 27706, A
65	83	3.6	554	6	US-10-953-349-27705	Sequence 27705, A
66	83	3.6	571	6	US-10-449-902-51286	Sequence 51286, A
67	83	3.6	690	6	US-10-449-902-53336	Sequence 53336, A
68	83	3.6	951	6	US-10-953-349-4547	Sequence 4547, A
69	83	3.6	1205	6	US-10-953-349-4546	Sequence 4546, A
70	83	3.6	1243	6	US-10-953-349-4545	Sequence 4545, A
71	83	3.6	1286	6	US-10-953-349-4544	Sequence 4544, A
72	83	3.6	1503	7	US-11-312-958-48	Sequence 48, Appl1
73	83	3.6	284	6	US-10-449-902-48680	Sequence 48680, A
74	82.5	3.6	497	6	US-10-449-902-35281	Sequence 35281, A
75	82.5	3.6	504	7	US-11-293-697-761	Sequence 761, A
76	82.5	3.6	235	6	US-10-953-349-12434	Sequence 12434, A
77	82	3.5	246	6	US-10-471-571A-1356	Sequence 1356, A
78	82	3.5	313	6	US-10-953-349-15430	Sequence 15430, A
79	82	3.5	327	6	US-10-953-349-15449	Sequence 15449, A
80	82	3.5	451	6	US-10-471-571A-1946	Sequence 1946, A
81	82	3.5	452	6	US-10-471-571A-2710	Sequence 2710, A
82	82	3.5	456	6	US-10-953-349-29116	Sequence 29116, A
83	82	3.5	527	6	US-10-449-902-53879	Sequence 53879, A
84	81.5	3.5	318	6	US-10-471-571A-3052	Sequence 3052, A
85	81.5	3.5	374	6	US-10-449-902-52316	Sequence 52316, A
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87	81.5	3.5	374	6	US-10-449-902-52458	Sequence 52458, A
88	81.5	3.5	374	6	US-10-449-902-52458	Sequence 52458, A
89	81	3.5	260	6	US-10-953-349-28349	Sequence 28349, A
90	81	3.5	260	6	US-10-953-349-28345	Sequence 28345, A
91	81	3.5	295	6	US-10-953-349-28345	Sequence 28345, A
92	81	3.5	309	6	US-10-449-902-32254	Sequence 32254, A
93	81	3.5	314	6	US-10-953-349-29114	Sequence 29114, A
94	81	3.5	346	6	US-10-953-349-28333	Sequence 28333, A
95	81	3.5	516	6	US-10-449-902-38429	Sequence 38429, A
96	81	3.5	654	6	US-10-471-571A-1362	Sequence 1362, A
97	81	3.5	1092	6	US-10-449-902-53812	Sequence 53812, A
98	80.5	3.5	317	6	US-10-953-349-38122	Sequence 38122, A
99	80.5	3.5	378	6	US-10-953-349-24007	Sequence 24007, A
100	80.5	3.5	403	7	US-11-242-505A-18	Sequence 18, Appl1

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102	80.5	3.5	449	6	US-10-953-349-24005	Sequence 24005, A	175	76.5	3.3	807	6	US-10-449-902-8861.1	Sequence 38611, A
103	80	3.5	222	6	US-10-953-349-34991	Sequence 34991, A	176	76	3.3	265	6	US-10-953-349-18581	Sequence 18581, A
104	80	3.5	227	6	US-10-471-571A-3402	Sequence 3402, Ap	177	76	3.3	273	6	US-10-471-571A-4558	Sequence 4598, Ap
105	80	3.5	344	6	US-10-505-928-652	Sequence 652, App	178	76	3.3	339	6	US-10-471-571A-5042	Sequence 5042, Ap
106	80	3.5	498	6	US-10-471-571A-192	Sequence 192, App	179	76	3.3	403	6	US-10-953-349-5592	Sequence 5592, Ap
107	80	3.5	538	6	US-10-449-902-56618	Sequence 56618, A	180	76	3.3	635	6	US-10-449-902-44075	Sequence 54075, A
108	80	3.5	642	6	US-10-449-902-47654	Sequence 47654, A	181	76	3.3	757	6	US-10-449-902-55285	Sequence 55295, A
109	80	3.5	642	6	US-10-449-902-55501	Sequence 55501, A	182	76	3.3	858	7	US-11-293-697-9979	Sequence 2979, Ap
110	79.5	3.4	322	6	US-10-953-349-31242	Sequence 31242, A	183	75.5	3.3	373	7	US-11-312-958-10	Sequence 10, App1
111	79.5	3.4	603	6	US-10-471-571A-3718	Sequence 3718, Ap	184	75.5	3.3	519	6	US-10-449-902-42752	Sequence 4752, A
112	79.5	3.4	801	6	US-10-471-571A-258	Sequence 258, App	185	75.5	3.3	578	6	US-10-471-571A-1920	Sequence 1920, Ap
113	79.5	3.4	840	6	US-10-471-571A-4280	Sequence 4280, App	186	75.5	3.3	1095	6	US-10-449-902-11563	Sequence 41563, A
114	79	3.4	319	6	US-10-953-349-24341	Sequence 24341, A	187	75	3.2	157	6	US-10-471-571A-3118	Sequence 3118, Ap
115	79	3.4	347	6	US-10-449-902-47323	Sequence 47323, A	188	75	3.2	253	6	US-10-953-349-18582	Sequence 18582, A
116	79	3.4	396	6	US-10-449-902-55006	Sequence 55006, A	189	75	3.2	320	6	US-10-471-571A-3632	Sequence 53242, A
117	79	3.4	412	6	US-10-471-571A-2744	Sequence 2744, Ap	190	75	3.2	402	6	US-10-471-571A-5294	Sequence 5294, Ap
118	79	3.4	416	6	US-10-449-902-47396	Sequence 47396, A	191	75	3.2	543	6	US-10-471-571A-3700	Sequence 3700, Ap
119	79	3.4	425	6	US-10-449-902-29720	Sequence 29720, A	192	75	3.2	564	6	US-10-953-349-9050	Sequence 2050, Ap
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121	79	3.4	623	6	US-10-449-902-51819	Sequence 51819, A	194	75	3.2	596	6	US-10-449-902-51753	Sequence 51753, A
122	79	3.4	715	6	US-10-953-349-11685	Sequence 11685, A	195	75	3.2	619	6	US-10-449-902-53242	Sequence 53242, A
123	79	3.4	728	6	US-10-953-349-11684	Sequence 11684, A	196	75	3.2	703	6	US-10-953-349-5632	Sequence 5632, Ap
124	78.5	3.4	225	6	US-10-953-349-2521	Sequence 2521, Ap	197	74.5	3.2	168	6	US-10-449-902-30354	Sequence 30354, A
125	78.5	3.4	236	6	US-10-953-349-2520	Sequence 2520, Ap	198	74.5	3.2	260	6	US-10-449-902-46871	Sequence 46871, A
126	78.5	3.4	269	7	US-11-305-477-3	Sequence 3, App11	199	74.5	3.2	271	6	US-10-449-902-40152	Sequence 40152, A
127	78.5	3.4	287	6	US-10-953-349-4606	Sequence 4606, Ap	200	74.5	3.2	344	6	US-10-953-349-5324	Sequence 5324, Ap
128	78.5	3.4	306	6	US-10-953-349-4605	Sequence 4605, Ap	201	74.5	3.2	352	6	US-10-994-679-2	Sequence 2, App1
129	78.5	3.4	334	6	US-10-953-349-4604	Sequence 4604, Ap	202	74.5	3.2	384	7	US-10-958-746-4	Sequence 4, App1
130	78.5	3.4	352	6	US-10-505-928-745	Sequence 745, App	203	74.5	3.2	419	6	US-10-953-349-3323	Sequence 3323, Ap
131	78.5	3.4	352	6	US-10-511-937-2412	Sequence 2412, Ap	204	74.5	3.2	442	6	US-10-953-349-33857	Sequence 33857, A
132	78.5	3.4	352	6	US-10-511-937-2486	Sequence 2486, Ap	205	74.5	3.2	513	6	US-10-953-349-5322	Sequence 5322, Ap
133	78.5	3.4	352	6	US-10-511-937-2935	Sequence 2935, Ap	206	74.5	3.2	532	6	US-10-471-571A-4432	Sequence 4432, Ap
134	78.5	3.4	352	6	US-10-511-937-3010	Sequence 3010, Ap	207	74.5	3.2	674	6	US-10-471-571A-3574	Sequence 3574, Ap
135	78.5	3.4	352	6	US-10-994-679-22	Sequence 22, App1	208	74.5	3.2	1554	6	US-10-542-560-2	Sequence 2, App1
136	78.5	3.4	403	6	US-10-471-571A-9334	Sequence 9334, Ap	209	74.5	3.2	1566	6	US-10-542-560-6	Sequence 6, App1
137	78.5	3.4	499	6	US-10-471-571A-1194	Sequence 3194, Ap	210	74.5	3.2	1591	6	US-10-542-560-4	Sequence 4, App1
138	78	3.4	211	6	US-10-471-571A-3252	Sequence 3252, Ap	211	74	3.2	249	6	US-10-953-349-4433	Sequence 24343, A
139	78	3.4	294	6	US-10-449-902-50108	Sequence 50108, A	212	74	3.2	290	6	US-10-953-349-4432	Sequence 24342, A
140	78	3.4	435	6	US-10-471-571A-2012	Sequence 2012, Ap	213	74	3.2	342	6	US-10-449-902-54458	Sequence 54458, A
141	78	3.4	455	6	US-10-449-902-37311	Sequence 37311, A	214	74	3.2	378	6	US-10-511-937-7404	Sequence 2404, Ap
142	78	3.4	466	6	US-10-953-349-22705	Sequence 22705, A	215	74	3.2	400	6	US-10-471-571A-2104	Sequence 2104, Ap
143	78	3.4	484	6	US-10-953-349-22704	Sequence 22704, A	216	74	3.2	422	6	US-10-471-571A-2566	Sequence 2566, Ap
144	78	3.4	534	6	US-10-953-349-22703	Sequence 22703, A	217	74	3.2	473	6	US-10-471-571A-1310	Sequence 1310, Ap
145	78	3.4	837	6	US-10-449-902-45332	Sequence 45332, A	218	74	3.2	529	6	US-10-953-349-5633	Sequence 5633, Ap
146	77.5	3.3	178	6	US-10-953-349-19970	Sequence 19970, A	219	74	3.2	758	7	US-11-293-697-7713	Sequence 2713, Ap
147	77.5	3.3	204	6	US-10-953-349-2522	Sequence 2522, Ap	220	74	3.2	787	6	US-10-449-902-43812	Sequence 43812, A
148	77.5	3.3	223	6	US-10-449-902-32208	Sequence 32208, A	221	74	3.2	1092	7	US-10-449-902-33776	Sequence 53776, A
149	77.5	3.3	244	6	US-10-449-902-52056	Sequence 52056, A	222	73.5	3.2	329	7	US-11-204-427-2	Sequence 2, App1
150	77.5	3.3	309	6	US-10-953-349-19969	Sequence 19969, A	223	73.5	3.2	419	7	US-11-233-089-94	Sequence 54, App1
151	77.5	3.3	417	6	US-10-449-902-44944	Sequence 44944, A	224	73.5	3.2	419	7	US-11-321-991-2	Sequence 2, App1
152	77.5	3.3	419	6	US-10-953-349-8374	Sequence 8374, Ap	225	73.5	3.2	428	6	US-10-471-571A-244	Sequence 244, App
153	77.5	3.3	424	6	US-10-953-349-8373	Sequence 8373, Ap	226	73.5	3.2	438	6	US-10-471-571A-1384	Sequence 1384, App
154	77.5	3.3	460	6	US-10-953-349-8372	Sequence 8372, Ap	227	73.5	3.2	551	7	US-11-236-238-29	Sequence 29, App1
155	77	3.3	223	7	US-11-257-062-22	Sequence 22, App1	228	73.5	3.2	632	6	US-10-953-349-12946	Sequence 12946, A
156	77	3.3	294	6	US-10-449-902-32297	Sequence 32297, A	229	73.5	3.2	635	6	US-10-953-349-12945	Sequence 12945, A
157	77	3.3	294	6	US-10-449-902-54214	Sequence 54214, A	230	73.5	3.2	644	6	US-10-953-349-12944	Sequence 12944, A
158	77	3.3	398	6	US-10-953-349-19063	Sequence 19063, A	231	73.5	3.2	656	6	US-10-449-902-45299	Sequence 45299, A
159	77	3.3	463	6	US-10-953-349-19062	Sequence 19062, A	232	73.5	3.2	692	6	US-10-471-571A-5118	Sequence 5118, A
160	77	3.3	475	6	US-10-449-902-47845	Sequence 47845, A	233	73.5	3.2	699	6	US-10-449-902-51188	Sequence 51188, A
161	77	3.3	488	6	US-10-953-349-19061	Sequence 19061, A	234	73.5	3.2	791	6	US-10-449-902-46882	Sequence 46882, A
162	77	3.3	703	7	US-11-293-697-4545	Sequence 4545, Ap	235	73.5	3.2	869	6	US-10-449-902-46963	Sequence 46963, App
163	76.5	3.3	283	3	US-10-471-571A-2858	Sequence 2858, Ap	236	73	3.2	306	6	US-10-471-571A-526	Sequence 526, App
164	76.5	3.3	362	6	US-10-953-349-3417	Sequence 3417, Ap	237	73	3.2	394	7	US-11-264-784-110	Sequence 110, App
165	76.5	3.3	371	6	US-10-953-349-3416	Sequence 3416, Ap	238	73	3.2	394	7	US-11-264-737-151	Sequence 151, App
166	76.5	3.3	380	6	US-10-953-349-3415	Sequence 3415, Ap	239	73	3.2	394	7	US-11-265-761-123	Sequence 123, App
167	76.5	3.3	428	6	US-10-449-902-35620	Sequence 35620, A	240	73	3.2	426	7	US-11-293-697-3931	Sequence 3931, Ap
168	76.5	3.3	471	6	US-10-449-902-36281	Sequence 36281, A	241	73	3.2	442	6	US-10-449-902-53111	Sequence 43141, A
169	76.5	3.3	478	6	US-10-953-349-9865	Sequence 9865, Ap	242	73	3.2	487	6	US-10-471-571A-2742	Sequence 2742, Ap
170	76.5	3.3	494	6	US-10-449-902-54489	Sequence 54489, A	243	73	3.2	662	6	US-10-471-571A-5102	Sequence 5102, Ap
171	76.5	3.3	501	6	US-10-471-571A-3072	Sequence 3072, Ap	244	73	3.2	679	6	US-10-449-902-48684	Sequence 48684, A
172	76.5	3.3	509	6	US-10-471-571A-3236	Sequence 3236, Ap	245	73	3.2	1095	6	US-10-449-902-33760	Sequence 43760, A
173	76.5	3.3	539	6	US-10-953-349-9864	Sequence 9864, Ap	246	72.5	3.1	125	7	US-11-293-697-3555	Sequence 3555, Ap

247	72.5	3.1	187	6	US-10-953-349-3389	Sequence 3389, Ap	321	71	3.1	886	6	US-10-449-902-45369	Sequence 45369, A
248	72.5	3.1	249	6	US-10-953-349-3388	Sequence 3388, Ap	322	70.5	3.0	206	6	US-10-953-349-15493	Sequence 15493, A
249	72.5	3.1	274	6	US-10-449-902-41845	Sequence 41845, A	323	70.5	3.0	224	6	US-10-953-349-15492	Sequence 15492, A
250	72.5	3.1	308	6	US-10-953-349-38123	Sequence 38123, A	324	70.5	3.0	249	6	US-10-471-571A-3470	Sequence 3470, Ap
251	72.5	3.1	332	7	US-11-257-851A-77	Sequence 77, Appl	325	70.5	3.0	271	6	US-10-471-571A-5448	Sequence 5448, Ap
252	72.5	3.1	363	6	US-10-471-571A-2254	Sequence 2254, Ap	326	70.5	3.0	278	6	US-10-471-571A-3116	Sequence 3116, Ap
253	72.5	3.1	366	6	US-10-953-349-23140	Sequence 23140, A	327	70.5	3.0	318	6	US-10-370-959-108	Sequence 108, Ap
254	72.5	3.1	376	6	US-10-953-349-23139	Sequence 23139, A	328	70.5	3.0	361	6	US-10-449-902-46010	Sequence 46010, Ap
255	72.5	3.1	378	6	US-10-953-349-33858	Sequence 33858, A	329	70.5	3.0	377	6	US-10-471-571A-1904	Sequence 1904, Ap
256	72.5	3.1	389	7	US-11-302-678-35	Sequence 35, Appl	330	70.5	3.0	417	7	US-11-233-089-58	Sequence 58, Appl
257	72.5	3.1	393	7	US-11-304-129-11	Sequence 11, Appl1	331	70.5	3.0	426	6	US-10-449-902-49334	Sequence 49334, A
258	72.5	3.1	393	7	US-11-304-129-40	Sequence 40, Appl	332	70.5	3.0	429	7	US-11-165-586-56	Sequence 56, Appl
259	72.5	3.1	393	7	US-11-312-958-8	Sequence 8, Appl1	333	70.5	3.0	490	6	US-10-953-349-5634	Sequence 5634, Ap
260	72.5	3.1	424	6	US-10-953-349-23138	Sequence 23138, A	334	70.5	3.0	584	7	US-11-289-102-272	Sequence 272, App
261	72.5	3.1	585	6	US-10-953-349-7243	Sequence 7243, Ap	335	70.5	3.0	719	7	US-11-293-697-8841	Sequence 8841, Ap
262	72.5	3.1	580	6	US-10-953-349-7242	Sequence 7242, Ap	336	70.5	3.0	2397	6	US-10-471-571A-2632	Sequence 2632, Ap
263	72.5	3.1	593	6	US-10-953-349-7241	Sequence 7241, Ap	337	70	3.0	236	6	US-10-471-571A-720	Sequence 720, App
264	72.5	3.1	619	7	US-11-312-958-46	Sequence 46, Appl	338	70	3.0	278	6	US-10-471-571A-1648	Sequence 1648, Ap
265	72.5	3.1	646	6	US-10-449-902-50142	Sequence 50142, A	340	70	3.0	355	6	US-10-471-571A-4160	Sequence 4160, Ap
266	72.5	3.1	923	6	US-10-449-902-46462	Sequence 46462, A	341	70	3.0	357	6	US-10-449-902-50150	Sequence 50150, A
267	72.5	3.1	1077	6	US-10-449-902-47193	Sequence 47193, A	342	70	3.0	384	7	US-11-304-129-36	Sequence 36, Appl
268	72.5	3.1	342	7	US-11-204-427-7	Sequence 7, Appl1	343	70	3.0	384	7	US-11-312-958-6	Sequence 6, Appl1
269	72.5	3.1	396	6	US-10-449-902-52921	Sequence 52921, A	344	70	3.0	467	6	US-10-511-937-2961	Sequence 2961, Ap
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271	72.5	3.1	426	6	US-10-953-349-21235	Sequence 21235, A	347	70	3.0	594	6	US-10-953-349-7974	Sequence 7974, Ap
272	72.5	3.1	500	7	US-11-024-544A-172	Sequence 172, App	348	70	3.0	594	6	US-10-449-902-38776	Sequence 38776, Ap
273	72.5	3.1	511	6	US-11-190-750-140	Sequence 140, App	349	70	3.0	596	6	US-10-449-902-34689	Sequence 34689, A
274	72.5	3.1	511	6	US-10-449-902-43704	Sequence 43704, A	349	70	3.0	651	6	US-10-953-349-7973	Sequence 7973, Ap
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277	72.5	3.1	603	6	US-10-953-349-40055	Sequence 40055, A	352	70	3.0	792	6	US-10-449-902-53777	Sequence 53777, A
278	72.5	3.1	624	6	US-10-953-349-40054	Sequence 40054, A	353	70	3.0	825	6	US-10-449-902-34851	Sequence 34851, Ap
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281	71.5	3.1	416	7	US-11-264-784-363	Sequence 363, App	356	69.5	3.0	296	6	US-10-620-289-8	Sequence 8, Appl1
282	71.5	3.1	416	7	US-11-264-737-50	Sequence 50, Appl	357	69.5	3.0	299	7	US-11-293-697-1207	Sequence 1207, Ap
283	71.5	3.1	416	7	US-11-264-751-380	Sequence 380, App	358	69.5	3.0	355	6	US-10-449-902-29891	Sequence 29891, A
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291	71.5	3.1	792	6	US-10-471-571A-4714	Sequence 4714, Ap	366	69.5	3.0	576	6	US-10-449-902-47459	Sequence 47459, A
292	71.5	3.1	792	6	US-11-313-450-40	Sequence 40, Appl	367	69.5	3.0	579	6	US-10-953-349-38760	Sequence 38760, A
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304	71.5	3.1	288	6	US-10-953-349-77132	Sequence 77132, A	379	69	3.0	365	6	US-10-449-902-37772	Sequence 37772, A
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307	71.5	3.1	319	6	US-10-471-571A-2654	Sequence 2654, Ap	382	69	3.0	414	6	US-10-449-902-37283	Sequence 37283, A
308	71.5	3.1	342	6	US-10-953-349-27131	Sequence 27131, A	383	69	3.0	424	6	US-10-449-902-51922	Sequence 51922, A
309	71.5	3.1	362	6	US-10-953-349-2359	Sequence 2359, Ap	384	69	3.0	430	6	US-10-471-571A-230	Sequence 230, App
310	71.5	3.1	375	6	US-10-471-571A-680	Sequence 680, App	385	69	3.0	439	6	US-10-521-428A-2	Sequence 2, Appl1
311	71.5	3.1	385	6	US-10-449-902-31285	Sequence 31285, A	386	69	3.0	503	7	US-11-317-983-9	Sequence 9, Appl1
312	71.5	3.1	390	6	US-10-471-571A-2582	Sequence 2582, Ap	387	69	3.0	540	6	US-10-471-571A-3834	Sequence 3834, Ap
313	71.5	3.1	390	7	US-11-242-505A-27	Sequence 27, Appl	388	69	3.0	630	6	US-10-471-571A-4050	Sequence 4050, Ap
314	71.5	3.1	434	6	US-10-953-349-4711	Sequence 4711, Ap	389	69	3.0	658	6	US-10-449-902-40862	Sequence 40862, Ap
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397	68.5	3.0	265	6	US-10-449-902-51844	Sequence 51844, A	470	67	2.9	231	6	US-10-449-902-55819	Sequence 55819, A
398	68.5	3.0	272	6	US-10-449-902-30526	Sequence 30526, A	471	67	2.9	235	7	US-11-293-697-4524	Sequence 4524, Ap
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405	68.5	3.0	372	6	US-10-953-349-2474	Sequence 2474, Ap	478	67	2.9	297	6	US-10-620-289-2	Sequence 2, Appl1
406	68.5	3.0	416	6	US-10-953-349-5363	Sequence 5363, Ap	479	67	2.9	297	6	US-10-504-573-25	Sequence 25, Appl1
407	68.5	3.0	418	6	US-10-449-902-32265	Sequence 32265, A	480	67	2.9	361	6	US-10-449-902-50239	Sequence 50239, A
408	68.5	3.0	418	6	US-10-449-902-40471	Sequence 40471, A	481	67	2.9	410	6	US-10-449-902-37328	Sequence 37328, A
409	68.5	3.0	418	6	US-10-449-902-47956	Sequence 47956, A	482	67	2.9	410	6	US-10-449-902-50933	Sequence 50933, A
410	68.5	3.0	418	6	US-10-449-902-51553	Sequence 51553, A	483	67	2.9	410	6	US-10-449-902-52069	Sequence 52069, A
411	68.5	3.0	419	6	US-10-471-571A-4350	Sequence 4350, Ap	484	67	2.9	429	6	US-10-953-349-35589	Sequence 35589, A
412	68.5	3.0	421	6	US-10-953-349-2473	Sequence 2473, Ap	485	67	2.9	435	6	US-10-471-571A-194	Sequence 194, Ap
413	68.5	3.0	447	6	US-10-471-571A-5314	Sequence 5314, Ap	486	67	2.9	465	7	US-11-255-699-4	Sequence 4, Appl1
414	68.5	3.0	467	6	US-10-953-349-5362	Sequence 5362, Ap	487	67	2.9	466	7	US-10-471-571A-5276	Sequence 5276, Ap
415	68.5	3.0	592	6	US-10-953-349-5361	Sequence 5361, Ap	488	67	2.9	494	7	US-11-251-465-17	Sequence 17, Appl1
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428	68	2.9	342	6	US-10-449-902-36811	Sequence 36811, A	501	66.5	2.9	287	6	US-10-953-349-30655	Sequence 30655, A
429	68	2.9	403	6	US-10-471-571A-2714	Sequence 2714, Ap	502	66.5	2.9	298	6	US-10-953-349-42379	Sequence 22697, A
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447	67.5	2.9	321	6	US-10-953-349-1256	Sequence 1256, Ap	520	66.5	2.9	432	6	US-10-471-571A-822	Sequence 822, App
448	67.5	2.9	323	6	US-10-953-349-1545	Sequence 14545, A	521	66.5	2.9	465	7	US-11-254-195-111	Sequence 11, Appl1
449	67.5	2.9	393	7	US-11-304-129-48	Sequence 48, Appl1	522	66.5	2.9	466	7	US-10-449-902-54312	Sequence 54312, A
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451	67.5	2.9	414	6	US-10-449-902-37691	Sequence 37691, A	524	66.5	2.9	487	6	US-10-471-571A-3798	Sequence 3798, Ap
452	67.5	2.9	434	6	US-10-471-571A-4454	Sequence 4454, Ap	525	66.5	2.9	504	6	US-10-505-928-42	Sequence 42, Appl1
453	67.5	2.9	447	6	US-10-449-902-55257	Sequence 55257, A	526	66.5	2.9	506	6	US-10-471-571A-3308	Sequence 3308, Ap
454	67.5	2.9	455	6	US-10-953-349-38826	Sequence 38826, A	527	66.5	2.9	534	7	US-10-471-571A-1992	Sequence 1992, Ap
455	67.5	2.9	457	6	US-10-449-902-38564	Sequence 38564, A	528	66.5	2.9	534	7	US-11-024-544A-173	Sequence 173, App
456	67.5	2.9	461	6	US-10-505-928-282	Sequence 282, App	529	66.5	2.9	534	7	US-11-190-750-141	Sequence 141, App
457	67.5	2.9	484	6	US-10-449-902-34801	Sequence 34801, A	530	66.5	2.9	543	6	US-10-449-902-36885	Sequence 36865, A
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1030	61	2.6	466	6	US-10-449-902-45556	Sequence 45556, A	1103	60.5	2.6	489	6	US-10-449-902-50002	Sequence 50002, A
1031	61	2.6	478	6	US-10-953-349-3323	Sequence 3323, App	1104	60.5	2.6	506	6	US-10-953-349-49051	Sequence 2051, App
1032	61	2.6	478	6	US-10-471-571A-3890	Sequence 3890, App	1105	60.5	2.6	510	6	US-10-449-902-31185	Sequence 31185, A
1033	61	2.6	482	6	US-10-449-902-56358	Sequence 56358, A	1106	60.5	2.6	537	7	US-11-315-766-2	Sequence 2, App1
1034	61	2.6	492	6	US-10-471-571A-4584	Sequence 4584, App	1107	60.5	2.6	545	6	US-10-449-902-55071	Sequence 55071, A
1035	61	2.6	524	6	US-10-449-902-56404	Sequence 56404, A	1108	60.5	2.6	550	6	US-10-449-902-49398	Sequence 49398, App
1036	61	2.6	530	6	US-10-449-902-42736	Sequence 42736, A	1109	60.5	2.6	575	6	US-10-471-571A-3150	Sequence 3150, App
1037	61	2.6	533	6	US-10-449-902-50179	Sequence 50179, A	1110	60.5	2.6	585	7	US-11-236-238-3	Sequence 3, App1
1038	61	2.6	551	7	US-11-318-813-2	Sequence 2, App1	1111	60.5	2.6	612	6	US-10-449-902-41210	Sequence 41210, A
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1042	61	2.6	598	6	US-10-449-902-47162	Sequence 47162, A	1115	60.5	2.6	721	6	US-10-449-902-45561	Sequence 45561, A
1043	61	2.6	632	6	US-10-953-349-9560	Sequence 9560, App	1116	60.5	2.6	732	6	US-10-449-902-38189	Sequence 48319, A
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1047	61	2.6	665	6	US-10-449-902-47070	Sequence 47070, A	1120	60.5	2.6	904	7	US-11-291-140-2	Sequence 2, App1
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1050	61	2.6	790	6	US-10-449-902-52717	Sequence 52717, A	1123	60.5	2.6	1235	7	US-11-325-764-4	Sequence 2, App1
1051	61	2.6	800	6	US-10-471-571A-3200	Sequence 3200, App	1124	60.5	2.6	1956	7	US-11-263-326-135	Sequence 135, App
1052	61	2.6	808	6	US-10-449-902-44460	Sequence 44460, A	1125	60.5	2.6	2000	7	US-11-313-450-6	Sequence 6, App1
1053	61	2.6	874	6	US-10-449-902-37427	Sequence 37427, A	1126	60.5	2.6	67	6	US-10-471-571A-4642	Sequence 4642, App
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1057	60.5	2.6	141	6	US-10-471-571A-3804	Sequence 3804, App	1130	60.5	2.6	185	6	US-10-953-349-195	Sequence 195, App
1058	60.5	2.6	152	6	US-10-449-902-47075	Sequence 47075, A	1131	60.5	2.6	195	6	US-10-953-349-23046	Sequence 23046, A

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1133	60	2.6	210	6	US-10-449-902-28517	Sequence 28517, A	1206	60	2.6	1855	7	US-11-263-326-125	Sequence 125, App
1134	60	2.6	215	6	US-10-953-349-28358	Sequence 28358, A	1207	60	2.6	1891	7	US-11-263-326-173	Sequence 173, App
1135	60	2.6	228	6	US-10-953-349-25904	Sequence 25904, A	1208	60	2.6	1956	7	US-11-313-450-16	Sequence 16, App1
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1137	60	2.6	233	6	US-10-449-902-32584	Sequence 32584, A	1210	60	2.6	2009	7	US-11-263-326-4	Sequence 4, App1
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1141	60	2.6	258	6	US-10-953-349-25903	Sequence 25903, A	1214	60	2.6	2009	7	US-11-263-326-121	Sequence 121, App
1142	60	2.6	260	6	US-10-953-349-28357	Sequence 28357, A	1215	60	2.6	2009	7	US-11-263-326-122	Sequence 122, App
1143	60	2.6	262	6	US-10-524-827-10	Sequence 10, App1	1216	60	2.6	2009	7	US-11-263-326-123	Sequence 123, App
1144	60	2.6	263	6	US-10-953-349-24734	Sequence 24734, A	1217	60	2.6	2009	7	US-11-263-326-126	Sequence 126, App
1145	60	2.6	266	6	US-10-953-349-24733	Sequence 24733, A	1218	60	2.6	2009	7	US-11-263-326-127	Sequence 127, App
1146	60	2.6	280	6	US-10-449-902-48801	Sequence 48801, A	1219	60	2.6	2009	7	US-11-263-326-129	Sequence 129, App
1147	60	2.6	283	6	US-10-953-349-19075	Sequence 19075, A	1220	60	2.6	2009	7	US-11-263-326-172	Sequence 172, App
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1150	60	2.6	310	6	US-10-953-349-24732	Sequence 24732, A	1223	60	2.6	3478	6	US-10-953-349-9273	Sequence 9273, App
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1152	60	2.6	335	6	US-10-471-571A-4136	Sequence 4136, Ap	1225	59.5	2.6	86	6	US-10-525-126-316	Sequence 216, App
1153	60	2.6	337	7	US-11-242-505A-21	Sequence 21, App1	1226	59.5	2.6	86	6	US-10-525-126-301	Sequence 301, App
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1183	60	2.6	508	7	US-11-190-750-142	Sequence 142, App	1256	59.5	2.6	351	6	US-10-449-902-32032	Sequence 32032, A
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1295	59.5	2.6	1390	7	US-11-289-102-217	Sequence 217, Ap	1368	58.5	2.5	231	6	US-10-449-902-32336	Sequence 32336, A
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; GENERAL INFORMATION:
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: ANTIBODIES TO A POLYPEPTIDE ENCODED BY A NUCLEIC ACID
; FILE REFERENCE: P330R1C17C1
; CURRENT FILING DATE: 2005-04-06
; PRIOR FILING DATE: 2005-04-06
; PRIOR APPLICATION NUMBER: 10/063526
; PRIOR FILING DATE: 2002-05-03
; PRIOR APPLICATION NUMBER: 10/006867
; PRIOR FILING DATE: 2001-12-06
; PRIOR APPLICATION NUMBER: PCT/US00/23328
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: 09/380137
; PRIOR FILING DATE: 1999-08-25
; PRIOR APPLICATION NUMBER: PCT/US99/12252
; PRIOR FILING DATE: 1999-06-02
; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02
; NUMBER OF SEQ ID NOS: 170
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; GENERAL INFORMATION:
; APPLICANT: INCYTE GENOMICS, INC.; CHAMLA, Narinder K.;
; APPLICANT: YUE, Henry; RICHARDSON, Thomas W.;
; APPLICANT: MARQUIS, Joseph P.; GOREVAD, Ann E.;
; APPLICANT: BECHA, Shanya D.; KABLE, Amy E.;
; APPLICANT: SWARNAKAR, Anita; JIN, Pei;
; APPLICANT: HAWKINS, Phillip R.; CHIEN, David;
; APPLICANT: RAMKUMAR, Jayalaxmi; LEHR-MASON, Patricia M.;
; APPLICANT: TRAN, Uyen K.; HAFALIA, April J.A.;
; APPLICANT: BAUGHN, Mariah R.; LEE, Soo Yeun;
; APPLICANT: JIAN, Xin; JACKSON, Alan A.;
; TITLE OF INVENTION: RECEPTORS AND MEMBRANE-ASSOCIATED PROTEINS
; FILE REFERENCE: PP-1381 PCT
; CURRENT FILING DATE: 2004-08-18
; PRIOR FILING DATE: 2004-08-18
; PRIOR APPLICATION NUMBER: US 60/358,279
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/364,338
; PRIOR FILING DATE: 2002-03-13
; PRIOR APPLICATION NUMBER: US 60/375,657
; PRIOR FILING DATE: 2002-04-25
; PRIOR APPLICATION NUMBER: US 60/376,669
; PRIOR FILING DATE: 2002-04-29
; PRIOR APPLICATION NUMBER: US 60/379,837
; PRIOR FILING DATE: 2002-05-10
; PRIOR APPLICATION NUMBER: US 60/379,853
; PRIOR FILING DATE: 2002-05-10
; NUMBER OF SEQ ID NOS: 76
; SOFTWARE: PERL Program
; SEQ ID NO 3
; LENGTH: 663
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No: 7505960CD1
US-10-504-973-3

```

```

Query Match      21.4%; Score 495.5; DB 6; Length 663;
Best Local Similarity 27.5%; Pred. No. 3e-34;
Matches 126; Conservative 92; Mismatches 152; Indels 89; Gaps 14;

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```

Qy      12 ILALALSLAMMFTFRFTTLLVHIFISLVITGLFVCGVLMWLYYDTN 56
        12 ILALALSLAMMFTFRFTTLLVHIFISLVITGLFVCGVLMWLYYDTN 56
Db      233 LVALGVALVLSLFTLLRLVAGPLVVLIGV---GVLAYGIYYCEBYRVLPDKAS 289
Qy      57 -----DYNDLSIEDTERENMKCVLGFPAIVSTGITAVLVLFVLRKRRLQTVELFOITN 112
        57 -----DYNDLSIEDTERENMKCVLGFPAIVSTGITAVLVLFVLRKRRLQTVELFOITN 112
        57 -----DYNDLSIEDTERENMKCVLGFPAIVSTGITAVLVLFVLRKRRLQTVELFOITN 112
Db      290 ISOGLFTTNLSAYSGVETWMAALIVLAV-----LEAILLVLFILRQRIALAILLKAS 345
Qy      113 KAISAPPLLFQPLMTFAIILFFWVLMVAVLSLGTAGAAQVMEGGQVEYKPLSGIRYMW 172

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Db 346 KAVGQMGSTMFPLVTLFVLLICIAVMNTALYATLS-----GQOY----- 387
Oy 173 SYHLIGLWTSFELL-ACQOMTIAGAV-----VTCYFN--RSKNDPPDHPIL 216
Db 388 -----VLMASNISSPGCEKVPINISCNPTAHVANSCEGLMCFVGVSKSLIPTPLI 441
Oy 217 SLSLILFFYHOCTVVKGSFSLSVRIPIIYVMQNALKEQHGALSTRYPCCCYCCWC 276
Db 442 SAPIRTLYHTGSLFAGLILTLVQIARVILEYDHKLRGVQN-EVARCINCCFCRCCLMC 500
Oy 277 LDKYLLHNONAYTTTANGTDFCTSAKDAFKILSKNSHFTSINCPGDPIIFLGKVLV 336
Db 501 LEKPIKFNRAIYIMAIYGNKFCVSAKNAFPLMRNIVRVVLDKTDLLIFGKLIV 560
Oy 337 -----CFTVFGGLMA-----FYNRAFOVMAVPLLVAFAVLVAHSFLSVET 380
Db 561 GGVGLSFPFSGRIPGLKDFKSPHLNY-----YM-LPIMTSILGAVIASGFVSFGM 614
Oy 381 VLDAFLCFPAVDLETNDSSSEKPYFMDEFLSFVRSNK 419
Db 615 CVDTLFCLFLEDLENNGLDRPYMYSKSLKILGKQNE 653
```

RESULT 4

```
US-11-101-316-10
; Sequence 10, Application US/11101316
; Publication No. US2006009657A1
; GENERAL INFORMATION:
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Auecin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: ANTIBODIES TO A POLYPEPTIDE ENCODED BY A NUCLEIC ACID
; FILE REFERENCE: P3230R1C17C1
; CURRENT APPLICATION NUMBER: US/11/101,316
; CURRENT FILING DATE: 2005-04-06
; PRIOR APPLICATION NUMBER: 10/063526
; PRIOR FILING DATE: 2002-05-03
; PRIOR APPLICATION NUMBER: 10/006867
; PRIOR FILING DATE: 2001-12-06
; PRIOR APPLICATION NUMBER: PCT/US00/23328
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: 09/380137
; PRIOR FILING DATE: 1999-08-25
; PRIOR APPLICATION NUMBER: PCT/US99/12252
; PRIOR FILING DATE: 1999-06-02
; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02
; NUMBER OF SEQ ID NOS: 170
; SEQ ID NO 10
; LENGTH: 321
; TYPE: PRT
; ORGANISM: Homo Sapien
US-11-101-316-10
```

```
Query Match 18.5%; Score 428; DB 7; Length 321;
Best Local Similarity 34.6%; Pred. No. 6.6e-29;
Matches 91; Conservative 55; Mismatches 93; Indels 24; Gaps 6;
```

```
Oy 174 YHLIGLWTSFELLACQOMTIAGAVTTCYFNRSK-NDPPDHPILSSLSILFFYHOCTVVK 232
Db 56 YGVGLFWLTMVVALGQCVLAGAFASFYMAFHKQDIPTEPLISAFIRTLRYHTGSLAF 115
Oy 233 GSFLISVVRIPRIIYVMQNALKEQHGALSTRYPCRCYCCFWCLDKYLLHNONAYTTT 292
Db 116 GALITLVQIARVILEYDHKLRGVQN-PVARCINCCFCRCCLKIKFLNRAIYIMT 174
Oy 293 AINGDPTSAKDAFKILSKNSHFTSINCFDPIIFLGKVLV-----CFTVFGGLMA 346
Db 175 AIYGNFCVSAKNAFPLMRNIVRVVLDKTDLLIFGKLIVGVGLSFPFSGRIP 234
```

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Oy 347 -----FYNRAFOVMAVPLLVAFAVLVAHSFLSVETVLDAFLCFPAVDLETN 396
Db 235 GLGKDFKSPHLNY-----YM-LPIMTSILGAVIASGFVSGCVDTLFCLFLEDLERN 288
Oy 397 DGSSEKPYFMDEFLSFVRSNK 419
Db 289 NGSIDRPYMSKSLKILGKQNE 311
```

RESULT 5

```
US-10-449-902-49846
; Sequence 49846, Application US/10449902
; Publication No. US20060123505A1
; GENERAL INFORMATION:
; APPLICANT: National Institute of Agricultural Sciences.
; APPLICANT: Bio-oriented Technology Research Advancement Institution.
; APPLICANT: The Institute of Physical and Chemical Research.
; APPLICANT: Foundation for Advancement of International Science.
; TITLE OF INVENTION: FULL-LENGTH PLANT CDNA AND USES THEREOF
; FILE REFERENCE: MOA-A0205Y1-US
; CURRENT APPLICATION NUMBER: US/10/449,902
; PRIOR FILING DATE: 2003-05-29
; PRIOR APPLICATION NUMBER: JP 2002-203269
; PRIOR FILING DATE: 2002-05-30
; PRIOR APPLICATION NUMBER: JP 2002-383870
; PRIOR FILING DATE: 2002-12-11
; NUMBER OF SEQ ID NOS: 56791
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 49846
; LENGTH: 711
; TYPE: PRT
; ORGANISM: Oryza sativa
US-10-449-902-49846
```

```
Query Match 16.5%; Score 382; DB 6; Length 711;
Best Local Similarity 26.2%; Pred. No. 1.1e-24;
Matches 119; Conservative 79; Mismatches 191; Indels 66; Gaps 14;
```

```
Oy 7 ILGLC--ILALSLAMMFTFRFTT---LVAHIFSLVILGLFVCGVLMVYDYTN 60
Db 254 VLIYCGGLPLFLSVIWMILIRYFVNATPWITVVFNALVISVWTFYIKAGMNDPLT 313
Oy 61 DLSIED-----TEREMKCYLGAIVSTGIVAVLILPV---LKRRIKLYELRQIT 111
Db 314 VVIGESDPYHITGR-----ISHHAATVMTVMIAFITSIAIRILIAIPVAKVA 368
Oy 112 NKATSAFPLFOPLMTFALIFPWLVMVAVLSLGTAGAQQVE----- 156
Db 369 AKVIGEVQALIFPVVYFPLAITYMFWSATLHLFSSG--QVLRNDCNTDCCSYDLKLG 426
Oy 157 -----GGQVEKPLSGIRYMSYHLIGLWTSFELLACQOMTIAGAVTTCYFNRSK- 207
Db 427 KVNCDNCCGVSIHTPHIGIALI--FHLFGCVATGFFIACSSVIVGSAVYMWAGEI 484
Oy 208 -NDPPDHPILSSLSILFFYHOCTVVKGSFSLSVRIPIIYVMQNALK--EQHGALS 263
Db 485 SHDIPFVTVSSMRKLRYSIGSVALSVSAVEWRFLEICRLKLVDSARSCFG 544
Oy 264 RYLRCYCCFWCLDKYLLHNONAYTTTANGTDFCTSAKDAFKILSKNSHFTSINCF 323
Db 545 KMTSSSQCCGCGIDMTLKSVMRRAIYIMAIYTGCFKASVLAGLIMANILRIGKAVI 604
Oy 324 GDFIIFGKVLVCFVFGGLMAF-----FYNRAFOVMAVPLLVAFAVLVAHSF 374
Db 605 GDVILFLGK---LCVSLFCLAFALMDTHKYSANHKISSPLVPVVVSWALGFIYAKLF 661
Oy 375 LSVETVLDAFLCFPAVDLETNDSSS--KPYFND 407
Db 662 FOVWMSIDVTILSFCODAEHQNAQYAPPLAME 696
```

RESULT 6

US-10-449-902-36352
; Sequence 36352, Application US/10449902
; Publication No. US20060123505A1
; GENERAL INFORMATION:
; APPLICANT: National Institute of Agrobiological Sciences.
; APPLICANT: Bio-oriented Technology Research Advancement Institution.
; APPLICANT: The Institute of Physical and Chemical Research.
; APPLICANT: Foundation for Advancement of International Science.
; TITLE OF INVENTION: FULL-LENGTH PLANT CDNA AND USES THEREOF
; FILE REFERENCE: MOA-A0205Y1-US
; CURRENT APPLICATION NUMBER: US/10/449,902
; CURRENT FILING DATE: 2003-05-29
; PRIOR APPLICATION NUMBER: JP 2002-203269
; PRIOR FILING DATE: 2002-05-30
; PRIOR APPLICATION NUMBER: JP 2002-383870
; PRIOR FILING DATE: 2002-12-11
; NUMBER OF SEQ ID NOS: 56791
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 36352
; LENGTH: 711
; TYPE: PRT
; ORGANISM: Oryza sativa
US-10-449-902-36352

Query Match 16.3%; Score 377; DB 6; Length 711;
Best Local Similarity 26.2%; Pred. No. 3e-24;
Matches 117; Conservative 77; Mismatches 189; Indels 64; Gaps 13;

QY 7 ILGLC-ILALALSLAMFTFFITTT---LLVHIFISLVILGLLFGCVLMLYYDTN 60
DB 254 VLIIVGGLPLPLSYIMLLIRYFAAMPWITVVFNLVISTWPFYIKAGMLGNPLT 313
QY 61 DLSILD-----TERENKCVGFIVSTGIVAVLLVIFV---LRKRKLTVELFOIT 111
DB 314 VVIGSDVYVHATGSE-----ISHLAATVWTVMTVMIIIFLSIAIIRILATVYLVA 368
QY 112 NKAISSAPFLFQPLMTFALIFFWLWVAVLLSLGTAGAAQVME----- 156
DB 369 AKVIGEVQALIFVVPYPIPAIFWFMPSATLHIFSSG--QVLANDCVDCSYDLKLG 426
QY 157 -----GGOVEYKPLSGIRYMSYHLGLITSEFILAQQMTIAGAVTCTYNRSK- 207
DB 427 KVNCDNCCGYSIHYPHIGIAL--FHLFGCYMATQFPLACSTVIASVASYWARBEI 484
QY 208 -NDPDPHPLSLSLTFYHOGTVVKGSPFLISVRIPIRYWYMONALK---EQHGALS 263
DB 485 SHDIFPVYVSSLRKLKRLYSLSVAIGSLVSAVEMWAFIECLRKLKLPDSARESCFG 544
QY 264 RYLFCYCCYCCFWCLDKYLHLNQNAYTTTAINGTDFCTSAKDAFKILSNSSHFTSINC 323
DB 545 KWTSSSQCCIGCIDWTLKSVRNAYIMAIITGKGFPAKSVLATGLIMNMNLRIGKVMYI 604
QY 324 GDPILFLGKLVVVCFTVGGMLAF-----NYNRAPQVAVVALLVAF---PAYVASF 374
DB 605 GGVILFLGK--LCVSLFCLALPALFLMLDTHKKYKSAHNKISBPLVPPVVSWMALGFVAKLF 661
QY 375 LSVFETVLDALFLCPAVDLETNDGSS 401
DB 662 PQVEMSIDTITILSFQDSEEHQNAQ 688

RESULT 7
US-10-953-349-11171
; Sequence 11171, Application US/10953349
; Publication No. US20060107345A1
; GENERAL INFORMATION:
; APPLICANT: ALEXANDROV, Nikolai et al.
; TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
; FILE REFERENCE: 2750-1579PUS2
; CURRENT APPLICATION NUMBER: US/10/953,349
; CURRENT FILING DATE: 2004-09-30
; NUMBER OF SEQ ID NOS: 40252

; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 11171
; LENGTH: 363
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-953-349-11171

Query Match 14.5%; Score 335.5; DB 6; Length 363;
Best Local Similarity 27.8%; Pred. No. 4.4e-21;
Matches 95; Conservative 63; Mismatches 137; Indels 47; Gaps 11;

QY 99 KRITVTELPQITNKAISSAPFLFQPLMTFALIFFWLWVAVLLSLGTAGAAQVME-- 156
DB 7 RRIIMATSVLKVAKIVGEVQALIFPAIPFAMLAIFYMWISALHLFSSG--QVQVNN 64
QY 157 -----GGOVEYKPLSGIRYMSYHLGLITSEFILAQQMTI 194
DB 65 CNNTNCCAYDLVLKKNVCDRCGGYSIHYTPHTTIAIF--FHLFGCYMATQFPIASSATVI 122
QY 195 AGAVVTCYFNRSKNDP--PDHPLSLSLTFYHOGTVVKGSPFLISVRIPIRYWYMON 252
DB 123 AGSVASYWMAQGEASPEIFLPVPASMKRLARYNLGSLVSPVESVRPILBAIR 182
QY 253 ALK-----EQHGALSRYLFR--CCYCCFWCLDKYLHLNQNAYTTTAINGTDFCTSAKD 305
DB 183 KTKVSGTIPDHWFMRMHYTSRGCLKSVEWTIKS---VNRNAYIMAIITGKSPCKSAI 238
QY 306 AFKILSNSSHFTSINCGDPIIFLGKLVVVCFT--VFQGLM--AFNYNRAPQVAVPIL- 361
DB 239 ATBLISNLRIGKRVNIQDVLFLGKLCVSLFALGFMLDSHRIRASHNKVSFLLP 298
QY 362 LVAFEA--YLVASHLSVFETVLDALFLCPAVDLETNDGSS 401
DB 299 VLAQMALGYIVATLFPVAVEMSIDTITILSFQDSEENQNAQ 340

RESULT 8
US-10-953-349-11172
; Sequence 11172, Application US/10953349
; Publication No. US20060107345A1
; GENERAL INFORMATION:
; APPLICANT: ALEXANDROV, Nikolai et al.
; TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
; FILE REFERENCE: 2750-1579PUS2
; CURRENT APPLICATION NUMBER: US/10/953,349
; CURRENT FILING DATE: 2004-09-30
; NUMBER OF SEQ ID NOS: 40252
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 11172
; LENGTH: 353
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-953-349-11172

Query Match 14.1%; Score 326.5; DB 6; Length 353;
Best Local Similarity 27.5%; Pred. No. 2.5e-20;
Matches 93; Conservative 62; Mismatches 136; Indels 47; Gaps 11;

QY 103 LTVELFOITNKAISSAPFLFQPLMTFALIFFWLWVAVLLSLGTAGAAQVME----- 156
DB 1 MATSVLKVAKIVGEVQALIFPAIPFAMLAIFYMWISALHLFSSG--QVQVNNCNT 58
QY 157 -----GGOVEYKPLSGIRYMSYHLGLITSEFILAQQMTIAGAV 198
DB 59 NCCAYDLVLKKNVCDRCGGYSIHYTPHTTIAIF--FHLFGCYMATQFPIASSATVIASGV 116
QY 199 VTCYFNRSKNDP--PDHPLSLSLTFYHOGTVVKGSPFLISVRIPIRYWYMONALK- 255
DB 117 ASYWMAQGEASPEIFLPVPASMKRLARYNLGSLVSPVESVRPILBAIRKTKV 176
QY 256 -----EQHGALSRYLFR--CCYCCFWCLDKYLHLNQNAYTTTAINGTDFCTSAADAKI 309

Db 177 SGTIPDHFWKMAHYTSRGLKSVETIKS-----VNRNAYIMAITGKSPCKSSAIATEL 232
Qy 310 LSKNSSHFTSINCFDFTIFLGKVLVVCFT-VFEGLM-AFNYNRAFOVMAVPLL-LVAF 365
Db 223 IISNIRIGKNVIGDVLIFLGKLVSLFSALEFGLMDSHRYASHNKVSPLLPVAC 292
Qy 366 FA--YLVAHSFLSVFETVLDALFLCPAVDLETNDSSE 401
Db 293 WALGIYATLFPFAVEMSIDTITLSFCODSEENQNAQ 330

RESULT 9
US-10-953-349-11173

; Sequence 11173, Application US/10953349
; Publication No. US20060107345A1
; GENERAL INFORMATION:
; APPLICANT: ALEXANDROV, Nickolai et al.
; TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
; TITLE OF INVENTION: ENCODED THERBY
; FILE REFERENCE: 2750-1579PUS2
; CURRENT APPLICATION NUMBER: US/10/953,349
; CURRENT FILING DATE: 2004-09-30
; NUMBER OF SEQ ID NOS: 40252
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 11173
; LENGTH: 325
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-953-349-11173

Query Match 13.0%; Score 300.5; DB 6; Length 325;
Best Local Similarity 28.1%; Pred. No. 3,5e-18;
Matches 87; Conservative 57; Mismatches 119; Indels 47; Gaps 11;

Qy 131 ILIFFWLVAVVVLSTGTAGAQAQVME-----GGQVEKELSL 166
Db 1 MLATFYMWISAALHLFSSG--QVQNNCANNTCAYDLVKKNCDRCGSIHTYTHI 58
Qy 167 GIRYMSYHLIGLWTSFELACQOMTAGAVVTCYFNRSKND--PDHILSLISILF 224
Db 59 TIALF--FHLFGCVATQFIASSATVIAGSVASYMAQGEASPIPLPVFASWKLAR 116
Qy 225 YHOGVNVGSPFLISVRIIPRIIVMGNALK-----EQHGALSRYLF-CYCCFCL 277
Db 117 YNLGSAVAGSLISVSVESVRFLEAIRKTKVSGTIPHMFWRMAHYTSRGLKSVETI 176
Qy 278 DKYLLHNONAYTTAINGTDECTSAKXAFKLSKNSHFTSINCFDFTIFLGKVLVVC 337
Db 177 KS---VNRNAYIMAITGKSPCKSSAIATELIIINIRIGKNVIGDVLIFLGKLVSL 232
Qy 338 FT-VFEGLM-AFNYNRAFOVMAVPLL-LVAF--YLVAHSFLSVFETVLDALFLCPAV 391
Db 223 FSALFGLMDSHRYASHNKVSPLLPVACWALGIYATLFPFAVEMSIDTITLSFCQ 292
Qy 392 DLETNDGSSSE 401
Db 293 DSEENQNAQ 302

RESULT 10
US-10-953-349-17831

; Sequence 17831, Application US/10953349
; Publication No. US20060107345A1
; GENERAL INFORMATION:
; APPLICANT: ALEXANDROV, Nickolai et al.
; TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
; TITLE OF INVENTION: ENCODED THERBY
; FILE REFERENCE: 2750-1579PUS2
; CURRENT APPLICATION NUMBER: US/10/953,349
; CURRENT FILING DATE: 2004-09-30
; NUMBER OF SEQ ID NOS: 40252
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 17831

; LENGTH: 366
; TYPE: PRT
; ORGANISM: Glycine max
US-10-953-349-17831

Query Match 9.6%; Score 222; DB 6; Length 366;
Best Local Similarity 20.6%; Pred. No. 1.6e-11;
Matches 82; Conservative 79; Mismatches 160; Indels 78; Gaps 12;

Qy 11 GIALALSLAMFTRPTITLVIHIFISLVILGLFVCGVLMWLYDYTDNLSIEDTER 70
Db 4 CTIGASCSNAPFLAYR---VLIVFLFLVI-----GLIIV----- 35
Qy 71 ENMKCVGFAIVSGITAVALLVLFVLRKTKLTVLEFQITNKRISAPFL--FQPLMTF 129
Db 36 -----LIVVMHRELTVSITIGVASHLSRMMALFGVLPCLSV 73
Qy 130 AILFFWLVAVVVLST--GTAGAQAQVMEGGQVEKELSGIRYMSYHLIGLWTSFEL 187
Db 74 GLVYFPIVFPVFPAPFNKIVKVLKSGYDCWKEDSVPAAYALAVLMLMSAAMV 133
Qy 188 ACQOMTAGAVVTCYFNRSKNDPDHILSLSLFFYHOGTVVKSFLISVRIIPRIIV 247
Db 134 EAQYVISGITAMVFSK-EHQTPKRSIRPLRVVFGPSGTCISGLVGVVAVMSAV 192
Qy 248 MYGNALKEQOHGALSRYLRCGCCFCWCLDKYLLHNONAYTTAINGTDECTSAADAF 307
Db 193 ---DSARQEDTPGIVNLVL---RCVNALITAVDFLNKFTINPAITGEAYCSSARWTY 245
Qy 308 KILSKNSHFTSINCFD-----FTIFLGKVLVVCFTVFGG--LMAFNYNRAFOVAV 358
Db 246 ELRLNLSAVFVTTISRILAGIVFPSASYTTIACVILKAGNLSDSDFVAAAM-- 303
Qy 359 PLLVAFAYLVASHFLSVFETVLDALFLCPAVDLETND 397
Db 304 -VLLMVVLGYLV-----HVLNDVIDTIYVCYAIRDRDGE 336

RESULT 11
US-10-953-349-17832

; Sequence 17832, Application US/10953349
; Publication No. US20060107345A1
; GENERAL INFORMATION:
; APPLICANT: ALEXANDROV, Nickolai et al.
; TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
; TITLE OF INVENTION: ENCODED THERBY
; FILE REFERENCE: 2750-1579PUS2
; CURRENT APPLICATION NUMBER: US/10/953,349
; CURRENT FILING DATE: 2004-09-30
; NUMBER OF SEQ ID NOS: 40252
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 17832
; LENGTH: 305
; TYPE: PRT
; ORGANISM: Glycine max
US-10-953-349-17832

Query Match 8.3%; Score 192.5; DB 6; Length 305;
Best Local Similarity 22.4%; Pred. No. 3.8e-09;
Matches 64; Conservative 56; Mismatches 131; Indels 35; Gaps 8;

Qy 121 LLFQPLWTFAILIFFWLVAVVVLSTGTAGAQAQVMEGGQVEKELSGIRYMSYHLIGL 180
Db 16 LYFVPIVFPVFPARF-----NGKIVKKNLKSQYDCWKEDSVPAAYALAVLML 65
Qy 181 WTSEFIACQOMTAGAVVTCYFNRSKNDPDHILSLSLFFYHOGTVVKSFLISVV 240
Db 66 WSAAMVBAQYVVISGITAMVFSK-EHQTPKRSIRPLRVVFGPSGTCISGLVGVV 124
Qy 241 RIPRIIVMGNALKEQOHGALSRYLRCGCCFCWCLDKYLLHNONAYTTAINGTDFC 300
Db 125 RMVRSASV---DSARQEDTPGIVNLVL---RCVNALITAVDFLNKFTINPAITGEAYC 177


```
QY 68 TERENMKCVLGRPAIYS-----TGITAVL-----LVLIIVLRKRIKLTVEL 107
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 247 SRTQTLICVISAIVSVLSSVFGLEFTGISAFLENDKRNPNVDIPFLDYHYFFPSDG 306
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 108 FOITKKAISAPFLFQPLMTFAILIFPMVLVAVLLSIGTAGAAQWEGGQVEKPLSG 167
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 307 FYITISITITVALLSFKLYRFYRLFAIVTWILFTGSL-----SQYFDSA---FNGFSF 358
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 168 IRYMSYHLIGLIWTSEFILAQQONTIAG-----AVTCYFNRSKNDP----- 210
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 359 PERRRVY-----ILALSSSALCGLFIQHLSTLNMKYLIIRTIIPVCIIAILYVL 407
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 211 -PDHPILSSLSILFFYHOGTVVKG-----FLISVRIPIIYM-----Y 249
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 408 SPTRPLALIVGIIILIVLAVILKFSLMRYKKLTVALIVMIQQIIVILDNNKNAIKPY 467
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 250 MGNALKEQOHALSRYLFRCCYCCFWCLDKYLLHNONAYTTAINGTDFCTSAKDAFKI 309
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 468 QQSISTLKQHDYHSNY-----VNOLIKINQNA--TGSFNRIDYMSD---YAL 510
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 310 LSKNSSHFTSINCF-----GDPIIFLGKVLV 336
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 511 NSPFIYHNGISLVSIFNGDILKYYDKTLQI 542
```

```
RESULT 15
US-10-953-349-7915
; Sequence 7915, Application US/10953349
; Publication No. US20060107345A1
; GENERAL INFORMATION:
; APPLICANT: ALEXANDROV, Nickolai et al.
; TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
; FILE REFERENCE: 2750-1579PUS2
; CURRENT APPLICATION NUMBER: US/10/953,349
; CURRENT FILING DATE: 2004-09-30
; NUMBER OF SEQ ID NOS: 40252
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 7915
; LENGTH: 462
; TYPE: PR1
; ORGANISM: Arabidopsis thaliana
US-10-953-349-7915
```

Query Match 4.8%; Score 111; DB 6; Length 462;
Best Local Similarity 18.9%; Pred. No. 0.043;
Matches 78; Conservative 72; Mismatches 171; Indels 92; Gaps 16;

```
QY 13 LALALSLAMTFPRITTLVHIF-----ISLVILGLFVCGVLMWLYDYDYNL 62
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QY 109 -----QITNKAISAPFLFQPLMTFAILIFPMVLVAVLLSIGTAGAAQWEGGQVEYK 163
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Search completed: June 15, 2006, 07:19:26
Job time : 61 secs

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OM protein - protein search, using sw model

Run on: June 15, 2006, 07:02:44 ; Search time 28 Seconds

(Without alignments)
1391.112 Million cell updates/sec

Title: US-10-063-536-32

Perfect score: 2315
Sequence: 1 MSGRDTLGLCTALALSLA.....QQDHSURNEGRELQAVR 445

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 650591 seqs, 87530628 residues

Total number of hits satisfying chosen parameters: 650591

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 1500 summaries

Database :

Issued Patents AA:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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2	2315	100.0	445	2	US-09-990-444-177
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4	2315	100.0	445	2	US-09-992-598-177
5	2315	100.0	445	2	US-09-989-735-177
6	2315	100.0	445	3	US-09-989-726-177
7	2315	100.0	445	3	US-09-997-514-177
8	2315	100.0	445	3	US-09-989-728-177
9	2315	100.0	445	3	US-09-997-349-177
10	2315	100.0	445	3	US-09-997-653-177
11	2315	100.0	445	3	US-09-989-293A-177
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13	563	24.3	717	2	US-10-104-047-3465
14	540	23.3	710	2	US-09-547-789-2
15	538.5	23.3	705	2	US-09-547-789-5
16	517	22.3	403	2	US-10-104-047-4454
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113	94	4.1	536	2	US-09-359-167-8	Sequence 8, Appli	186	89	3.8	475	2	US-09-583-110-3986	Sequence 3986, Ap
114	94	4.1	585	2	US-09-949-016-7705	Sequence 7705, Ap	187	88.5	3.8	335	2	US-09-387-659-2	Sequence 2, Appli
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118	93	4.0	445	2	US-08-937-834-5	Sequence 5, Appli	191	88.5	3.8	458	1	US-08-310-271-2	Sequence 2, Appli
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137	92	4.0	457	2	US-09-151-957-6	Sequence 6, Appli	210	87.5	3.8	503	2	US-09-134-001C-3948	Sequence 3948, Ap
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143	92	4.0	1027	2	US-10-125-772-2	Sequence 2, Appli	216	87	3.8	342	2	US-09-780-576-2	Sequence 2, Appli
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151	91.5	4.0	463	2	US-09-602-787A-630	Sequence 630, App	224	87	3.8	413	2	US-09-134-001C-5503	Sequence 5503, Ap
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154	91	3.9	497	2	US-09-811-838-8	Sequence 8, Appli	227	86.5	3.7	309	2	US-09-710-279-42	Sequence 42, Appl
155	91	3.9	497	2	US-09-543-681A-6926	Sequence 6926, Ap	228	86.5	3.7	342	2	US-08-785-928-1	Sequence 1, Appli
156	91	3.9	613	1	US-08-465-687A-2	Sequence 2, Appli	229	86.5	3.7	342	2	US-08-728-603-17	Sequence 17, Appl
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162	90.5	3.9	446	1	US-08-333-977-22	Sequence 22, Appl	235	86.5	3.7	360	2	US-09-045-583-50	Sequence 50, Appl
163	90.5	3.9	515	2	US-09-863-433-2	Sequence 2, Appli	236	86.5	3.7	360	2	US-09-045-583-51	Sequence 51, Appl
164	90.5	3.9	850	2	US-09-107-532A-3870	Sequence 3870, Ap	237	86.5	3.7	360	2	US-09-534-185-50	Sequence 50, Appl
165	90.5	3.9	889	2	US-09-583-110-4394	Sequence 4394, Ap	238	86.5	3.7	360	2	US-09-534-185-51	Sequence 51, Appl
166	90.5	3.9	861	2	US-09-583-110-4394	Sequence 4394, Ap	239	86.5	3.7	360	2	US-09-534-185-51	Sequence 51, Appl
167	90	3.9	325	7	5320941-2	Sequence 2860, Ap	240	86.5	3.7	360	2	US-09-625-573-4	Sequence 4, Appli
168	90	3.9	329	2	US-09-502-783A-9	Sequence 9, Appli	241	86.5	3.7	360	5	PCT-US95-00476-4	Sequence 4, Appli
169	90	3.9	329	2	US-09-339-912A-9	Sequence 9, Appli	242	86.5	3.7	374	1	US-08-450-393A-2	Sequence 2, Appli
170	90	3.9	329	2	US-09-195-662A-9	Sequence 9, Appli	243	86.5	3.7	374	1	US-08-446-669-2	Sequence 2, Appli
171	90	3.9	349	2	US-09-826-509-503	Sequence 503, App	244	86.5	3.7	374	2	US-10-039-659A-14	Sequence 14, Appli
172	90	3.9	456	2	US-09-489-039A-8332	Sequence 8332, Ap	245	86.5	3.7	374	2	US-09-625-573-2	Sequence 2, Appli

246	86.5	3.7	374	2	US-09-914-098-58	Sequence 58, Appl	319	84.5	3.7	387	2	US-09-491-577-60	Sequence 60, Appl
247	86.5	3.7	374	5	PCT-US95-00476-2	Sequence 2, Appl	320	84.5	3.7	399	2	US-09-438-185A-971	Sequence 971, App
248	86.5	3.7	377	2	US-09-949-016-11221	Sequence 11221, A	321	84.5	3.7	405	2	US-09-743-742B-2	Sequence 2, Appl
249	86.5	3.7	387	2	US-09-949-016-11222	Sequence 11222, A	322	84.5	3.7	405	2	US-09-743-742B-11	Sequence 11, Appl
250	86.5	3.7	417	2	US-09-489-039A-12011	Sequence 12011, A	323	84.5	3.7	407	1	US-08-742-440A-3	Sequence 3, Appl
251	86.5	3.7	457	7	5268463-7	Patent No. 5268463	324	84.5	3.7	411	2	US-09-602-787A-512	Sequence 512, App
252	86.5	3.7	491	2	US-09-134-001C-4612	Sequence 4612, Ap	325	84.5	3.7	415	2	US-09-328-352-4420	Sequence 4420, Ap
253	86.5	3.7	552	2	US-09-489-039A-7419	Sequence 7419, Ap	326	84.5	3.7	442	2	US-08-121-446-4	Sequence 4, Appl
254	86.5	3.7	602	2	US-09-134-001C-4416	Sequence 4416, Ap	327	84.5	3.7	442	2	US-09-520-210-10	Sequence 10, Appl
255	86.5	3.7	657	2	US-10-411-076-20	Sequence 20, Appl	328	84.5	3.7	467	2	US-09-540-236-4469	Sequence 2469, Ap
256	86.5	3.7	727	2	US-10-296-723A-14	Sequence 14, Appl	329	84.5	3.7	487	1	US-08-444-734A-2	Sequence 2, Appl
257	86	3.7	300	2	US-09-261-599B-6	Sequence 6, Appl	330	84.5	3.7	533	2	US-09-328-352-7892	Sequence 7892, Ap
258	86	3.7	333	2	US-09-393-634-3	Sequence 3, Appl	331	84.5	3.7	697	2	US-09-976-594-489	Sequence 489, App
259	86	3.7	333	3	US-10-770-127-79	Sequence 79, Appl	332	84.5	3.7	820	2	US-09-919-039-200	Sequence 200, App
260	86	3.7	361	2	US-09-261-559B-1	Sequence 1, Appl	333	84.5	3.7	863	2	US-09-338-352-5766	Sequence 5766, Ap
261	86	3.7	361	2	US-09-456-455A-1	Sequence 1, Appl	334	84.5	3.7	863	2	US-09-619-353-14	Sequence 14, Appl
262	86	3.7	395	2	US-09-673-395A-612	Sequence 612, App	335	84.5	3.7	1485	2	US-09-762-569-4	Sequence 4, Appl
263	86	3.7	437	2	US-09-198-452A-204	Sequence 204, App	336	84.5	3.7	1732	1	US-08-477-451-14	Sequence 14, Appl
264	86	3.7	437	2	US-09-438-185A-190	Sequence 190, App	337	84	3.6	172	2	US-09-134-001C-5649	Sequence 5649, Ap
265	86	3.7	445	2	US-09-282-218A-12	Sequence 12, Appl	338	84	3.6	333	2	US-10-770-127-173	Sequence 173, App
266	86	3.7	445	2	US-09-328-352-6669	Sequence 6669, Ap	339	84	3.6	344	2	US-09-134-001C-5567	Sequence 5567, App
267	86	3.7	456	1	US-08-668-650B-14	Sequence 14, Appl	340	84	3.6	377	2	US-09-745-842-17	Sequence 17, Appl
268	86	3.7	456	2	US-09-194-895-14	Sequence 14, Appl	341	84	3.6	412	2	US-09-114-001C-3949	Sequence 3949, Ap
269	86	3.7	456	2	US-09-447-907-14	Sequence 14, Appl	342	84	3.6	446	2	US-09-248-796A-20349	Sequence 20349, A
270	86	3.7	472	2	US-09-134-000C-5541	Sequence 5541, Ap	343	84	3.6	461	2	US-09-303-518D-586	Sequence 586, App
271	86	3.7	672	2	US-09-543-681A-5976	Sequence 5976, Ap	344	84	3.6	462	2	US-09-710-279-906	Sequence 906, App
272	86	3.7	1059	2	US-09-134-513-2	Sequence 2, Appl	345	84	3.6	491	2	US-10-033-109-10	Sequence 10, Appl
273	86	3.7	1078	2	US-10-125-772-28	Sequence 28, Appl	346	84	3.6	521	2	US-09-710-279-532	Sequence 532, App
274	86	3.7	1078	2	US-10-125-778-38	Sequence 28, Appl	347	84	3.6	525	2	US-09-134-001C-3514	Sequence 3514, Ap
275	86	3.7	1078	2	US-10-125-792-38	Sequence 28, Appl	348	84	3.6	704	2	US-09-489-039A-13385	Sequence 13385, A
276	86	3.7	1912	2	US-09-495-714C-2	Sequence 2, Appl	349	84	3.6	1720	1	US-08-477-451-12	Sequence 12, Appl
277	86	3.7	1977	2	US-09-495-714C-4	Sequence 4, Appl	350	83.5	3.6	212	1	US-08-753-159A-4	Sequence 4, Appl
278	86	3.7	2237	1	US-08-455-543A-48	Sequence 48, Appl	351	83.5	3.6	212	2	US-09-133-735-4	Sequence 4, Appl
279	86	3.7	2237	1	US-08-223-305C-48	Sequence 48, Appl	352	83.5	3.6	282	1	US-08-118-270-52	Sequence 52, Appl
280	86	3.7	2237	1	US-09-268-163-8	Sequence 8, Appl	353	83.5	3.6	282	5	PCT-US93-08528-52	Sequence 52, Appl
281	86	3.7	2237	1	US-10-033-026-8	Sequence 8, Appl	354	83.5	3.6	315	2	US-09-154-750A-91	Sequence 91, Appl
282	86	3.7	2339	1	US-08-455-543A-47	Sequence 47, Appl	355	83.5	3.6	355	2	US-09-170-496D-164	Sequence 164, Appl
283	86	3.7	2339	1	US-08-223-305C-47	Sequence 47, Appl	356	83.5	3.6	436	2	US-09-605-703B-2864	Sequence 2864, Ap
284	86	3.7	2339	2	US-09-268-163-6	Sequence 6, Appl	357	83.5	3.6	445	1	US-08-630-118A-4	Sequence 4, Appl
285	86	3.7	2339	3	US-10-033-026-6	Sequence 6, Appl	358	83.5	3.6	445	1	US-08-838-399-4	Sequence 4, Appl
286	86	3.7	2343	2	US-09-268-163-4	Sequence 4, Appl	359	83.5	3.6	445	2	US-09-003-199-23	Sequence 23, Appl
287	86	3.7	2343	3	US-10-033-026-4	Sequence 4, Appl	360	83.5	3.6	445	1	US-09-235-839-4	Sequence 25, Appl
288	85.5	3.7	360	2	US-09-131-827A-20	Sequence 20, Appl	361	83.5	3.6	445	2	US-09-337-035-4	Sequence 4, Appl
289	85.5	3.7	360	2	US-09-826-509-473	Sequence 473, App	362	83.5	3.6	445	2	US-09-065-027-6	Sequence 6, Appl
290	85.5	3.7	366	2	US-09-603-208A-120	Sequence 120, App	363	83.5	3.6	456	1	US-08-349-025-2	Sequence 2, Appl
291	85.5	3.7	388	2	US-10-125-772-6	Sequence 6, Appl	364	83.5	3.6	456	1	US-08-566-096A-2	Sequence 2, Appl
292	85.5	3.7	388	2	US-10-125-778-6	Sequence 6, Appl	365	83.5	3.6	456	1	US-08-668-650B-2	Sequence 2, Appl
293	85.5	3.7	394	2	US-10-125-792-6	Sequence 6, Appl	366	83.5	3.6	456	2	US-09-200-673-2	Sequence 2, Appl
294	85.5	3.7	394	2	US-10-013-846-17	Sequence 17, Appl	367	83.5	3.6	456	2	US-09-194-895-2	Sequence 2, Appl
295	85.5	3.7	394	2	US-09-543-681A-5779	Sequence 5779, Ap	368	83.5	3.6	456	2	US-09-447-907-2	Sequence 2, Appl
296	85.5	3.7	394	2	US-10-410-648-17	Sequence 17, Appl	369	83.5	3.6	456	2	US-09-962-426-2	Sequence 2, Appl
297	85.5	3.7	850	2	US-10-125-772-12	Sequence 12, Appl	370	83.5	3.6	456	5	PCT-US95-15646-2	Sequence 2, Appl
298	85.5	3.7	850	2	US-10-125-778-12	Sequence 12, Appl	371	83.5	3.6	456	2	US-09-292-071-27	Sequence 27, Appl
299	85.5	3.7	850	2	US-10-125-792-12	Sequence 12, Appl	372	83.5	3.6	456	2	US-09-292-071-29	Sequence 29, Appl
300	85.5	3.7	941	2	US-10-125-772-8	Sequence 8, Appl	373	83.5	3.6	458	2	US-09-292-069A-27	Sequence 27, Appl
301	85.5	3.7	941	2	US-10-125-772-10	Sequence 10, Appl	374	83.5	3.6	458	2	US-09-292-069A-29	Sequence 29, Appl
302	85.5	3.7	941	2	US-10-125-778-8	Sequence 8, Appl	375	83.5	3.6	458	2	US-09-032-742-10	Sequence 10, Appl
303	85.5	3.7	941	2	US-10-125-778-10	Sequence 10, Appl	376	83.5	3.6	458	2	US-09-767-013-27	Sequence 27, Appl
304	85.5	3.7	941	2	US-10-125-792-8	Sequence 8, Appl	377	83.5	3.6	458	2	US-09-767-013-29	Sequence 29, Appl
305	85.5	3.7	941	2	US-10-125-792-10	Sequence 10, Appl	378	83.5	3.6	458	2	US-09-341-446B-11	Sequence 11, Appl
306	85	3.7	360	2	US-08-833-752-7	Sequence 7, Appl	379	83.5	3.6	458	2	US-09-292-072-27	Sequence 27, Appl
307	85	3.7	360	2	US-09-938-719-7	Sequence 7, Appl	380	83.5	3.6	458	2	US-09-292-072-29	Sequence 29, Appl
308	85	3.7	360	2	US-09-938-719-7	Sequence 7, Appl	381	83.5	3.6	458	2	US-09-170-496D-126	Sequence 126, App
309	85	3.7	360	2	US-09-938-719-7	Sequence 7, Appl	382	83.5	3.6	458	2	US-09-170-496D-230	Sequence 23, Appl
310	85	3.7	577	2	US-09-328-352-5961	Sequence 5961, A	383	83.5	3.6	458	2	US-10-176-255-27	Sequence 27, Appl
311	85	3.7	577	2	US-09-248-796A-20164	Sequence 20164, A	384	83.5	3.6	458	2	US-10-176-255-29	Sequence 29, Appl
312	84.5	3.7	223	2	US-10-162-012-9	Sequence 9, Appl	385	83.5	3.6	489	2	US-09-710-279-2632	Sequence 2632, Ap
313	84.5	3.7	223	2	US-09-964-985-83	Sequence 83, Appl	386	83.5	3.6	639	2	US-09-638-092-17	Sequence 17, Appl
314	84.5	3.7	309	1	US-08-118-270-56	Sequence 56, Appl	387	83	3.6	359	2	US-09-602-787A-466	Sequence 466, App
315	84.5	3.7	309	5	PCT-US93-08528-56	Sequence 56, Appl	388	83	3.6	361	2	US-09-710-279-184	Sequence 184, App
316	84.5	3.7	315	2	US-09-151-771B-10	Sequence 10, Appl	389	83	3.6	481	2	US-09-303-518D-588	Sequence 588, App
317	84.5	3.7	327	2	US-09-134-000C-4685	Sequence 4685, Ap	390	83	3.6	483	3	US-09-944-049-14	Sequence 14, Appl
318	84.5	3.7	382	3	US-09-993-844A-5	Sequence 5, Appl	391	83	3.6	503	1	US-08-484-840-4	Sequence 4, Appl

392	83	3.6	503	1	US-08-483-094-4	Sequence 4, Appl1	465	82	3.5	295	1	US-08-118-270-79	Sequence 79, Appl1
393	83	3.6	617	2	US-09-248-796A-26692	Sequence 26692, A	466	82	3.5	295	5	PCT-US93-08528-79	Sequence 79, Appl1
394	83	3.6	623	2	US-09-489-039A-14033	Sequence 14033, A	467	82	3.5	300	2	US-09-261-5998-7	Sequence 7, Appl1
395	83	3.6	718	2	US-09-487-556B-388	Sequence 388, App	468	82	3.5	333	3	US-10-770-127-123	Sequence 123, App
396	83	3.6	719	2	US-09-583-110-4180	Sequence 4180, Ap	469	82	3.5	361	2	US-09-261-599B-4	Sequence 4, Appl1
397	83	3.6	728	2	US-09-107-433-4530	Sequence 4330, Ap	470	82	3.5	361	2	US-09-456-455A-4	Sequence 4, Appl1
398	83	3.6	863	1	US-09-134-000C-5733	Sequence 5733, Ap	471	82	3.5	420	2	US-09-799-978-42	Sequence 42, Appl1
399	83	3.6	1058	1	US-08-687-289A-5	Sequence 5, Appl1	472	82	3.5	451	2	US-09-446-861-127	Sequence 127, App
400	83	3.6	1058	2	US-09-435-587-5	Sequence 5, Appl1	473	82	3.5	451	2	US-09-925-637-22	Sequence 22, Appl1
401	83	3.6	1078	1	US-08-485-588-7	Sequence 7, Appl1	474	82	3.5	462	1	US-08-898-976-2	Sequence 2, Appl1
402	83	3.6	1078	1	US-08-484-565-7	Sequence 7, Appl1	475	82	3.5	462	1	US-08-898-976-4	Sequence 4, Appl1
403	83	3.6	1078	1	US-08-480-751-7	Sequence 7, Appl1	476	82	3.5	462	1	US-08-898-976-2	Sequence 2, Appl1
404	83	3.6	1078	1	US-08-943-986-7	Sequence 7, Appl1	477	82	3.5	496	2	US-09-605-703B-284	Sequence 284, App
405	83	3.6	1078	2	US-08-353-784-7	Sequence 7, Appl1	478	82	3.5	705	2	US-09-107-532A-6945	Sequence 6945, Ap
406	83	3.6	1078	2	US-08-484-719B-7	Sequence 7, Appl1	479	82	3.5	1144	2	US-09-328-352-1457	Sequence 4457, Ap
407	83	3.6	1078	2	US-08-484-159-7	Sequence 7, Appl1	480	81.5	3.5	187	2	US-08-726-214-6	Sequence 6, Appl1
408	83	3.6	1088	2	US-08-485-588-6	Sequence 6, Appl1	481	81.5	3.5	196	2	US-09-583-110-4676	Sequence 4676, Ap
409	83	3.6	1088	1	US-08-484-565-6	Sequence 6, Appl1	482	81.5	3.5	246	2	US-09-107-433-3633	Sequence 3633, Ap
410	83	3.6	1088	1	US-08-480-751-6	Sequence 6, Appl1	483	81.5	3.5	246	2	US-09-158-452A-22	Sequence 22, Appl1
411	83	3.6	1088	1	US-08-943-986-6	Sequence 6, Appl1	484	81.5	3.5	343	2	US-09-438-185A-13	Sequence 13, Appl1
412	83	3.6	1088	2	US-08-353-784-6	Sequence 6, Appl1	485	81.5	3.5	392	2	US-09-543-681A-6853	Sequence 6853, Ap
413	83	3.6	1088	2	US-08-484-719B-6	Sequence 6, Appl1	486	81.5	3.5	451	1	US-09-711-164-175	Sequence 375, App
414	83	3.6	1088	2	US-08-484-159-6	Sequence 6, Appl1	487	81.5	3.5	458	2	US-08-191-337-3	Sequence 3, Appl1
415	83	3.6	1207	2	US-09-817-762-7	Sequence 6, Appl1	488	81.5	3.5	467	2	US-09-489-039A-10560	Sequence 10560, A
416	83	3.6	1503	2	US-09-600-087-2	Sequence 7, Appl1	489	81.5	3.5	479	2	US-09-134-001C-3020	Sequence 3020, Ap
417	83	3.6	1503	2	US-09-949-016-6341	Sequence 6341, Ap	490	81.5	3.5	480	2	US-09-583-110-4687	Sequence 4687, Ap
418	83	3.6	1527	2	US-09-647-140B-6	Sequence 6, Appl1	491	81.5	3.5	482	2	US-09-107-433-3418	Sequence 3418, Ap
419	83	3.6	1527	2	US-09-939-853A-83	Sequence 83, Appl1	492	81.5	3.5	482	2	US-08-637-823B-32	Sequence 32, Appl1
420	83	3.6	1527	2	US-09-939-853A-84	Sequence 84, Appl1	493	81.5	3.5	504	2	US-09-614-957D-32	Sequence 32, Appl1
421	83	3.6	1529	2	US-09-949-016-11100	Sequence 11100, A	494	81.5	3.5	528	2	US-09-614-957D-32	Sequence 32, Appl1
422	83	3.6	1530	2	US-08-374-077C-2	Sequence 33, Appl1	495	81.5	3.5	561	2	US-09-543-681A-6551	Sequence 6551, Ap
423	83	3.6	2516	2	US-08-895-590-2	Sequence 2, Appl1	496	81.5	3.5	567	2	US-09-949-016-5969	Sequence 5969, Ap
424	83	3.6	2516	2	US-08-895-590-2	Sequence 2, Appl1	497	81.5	3.5	1228	2	US-09-543-681A-7515	Sequence 7515, Ap
425	83	3.6	2516	2	US-09-539-879A-2	Sequence 2, Appl1	498	81.5	3.5	1228	2	US-09-439-313-537	Sequence 537, App
426	82.5	3.6	212	2	US-09-944-807-8	Sequence 8, Appl1	499	81.5	3.5	1228	2	US-09-636-215-537	Sequence 537, App
427	82.5	3.6	234	2	US-09-252-991A-22939	Sequence 22939, A	500	81.5	3.5	1228	2	US-09-685-166A-537	Sequence 537, App
428	82.5	3.6	316	2	US-09-393-634-39	Sequence 39, Appl1	501	81.5	3.5	1228	2	US-09-426-537	Sequence 537, App
429	82.5	3.6	316	2	US-09-949-016-8207	Sequence 8207, Ap	502	81.5	3.5	1228	2	US-09-759-143-537	Sequence 537, App
430	82.5	3.6	316	3	US-10-770-127-5	Sequence 5, Appl1	503	81.5	3.5	1228	2	US-09-651-236-537	Sequence 537, App
431	82.5	3.6	326	1	US-08-118-270-39	Sequence 39, Appl1	504	81.5	3.5	1228	2	US-09-651-236-537	Sequence 537, App
432	82.5	3.6	326	5	PCT-US93-08528-39	Sequence 39, Appl1	505	81.5	3.5	1228	2	US-10-012-896-537	Sequence 537, App
433	82.5	3.6	375	1	US-08-442-134A-2	Sequence 2, Appl1	506	81.5	3.5	1261	2	US-09-439-313-538	Sequence 538, App
434	82.5	3.6	375	1	US-08-444-581B-2	Sequence 2, Appl1	507	81.5	3.5	1261	2	US-09-636-215-538	Sequence 538, App
435	82.5	3.6	375	1	US-08-446-088A-2	Sequence 2, Appl1	508	81.5	3.5	1261	2	US-09-685-166A-538	Sequence 538, App
436	82.5	3.6	375	1	US-08-559-524A-3	Sequence 3, Appl1	509	81.5	3.5	1261	2	US-09-679-426-538	Sequence 538, App
437	82.5	3.6	375	2	US-08-749-707-3	Sequence 3, Appl1	510	81.5	3.5	1261	2	US-09-759-143-538	Sequence 538, App
438	82.5	3.6	375	2	US-08-818-581B-5	Sequence 5, Appl1	511	81.5	3.5	1261	2	US-09-651-236-538	Sequence 538, App
439	82.5	3.6	375	2	US-09-947-922-3	Sequence 3, Appl1	512	81.5	3.5	1261	2	US-09-657-279-538	Sequence 538, App
440	82.5	3.6	417	2	US-09-710-279-950	Sequence 950, App	513	81.5	3.5	1261	2	US-10-012-896-538	Sequence 538, App
441	82.5	3.6	423	2	US-09-270-767-34556	Sequence 34556, A	514	81.5	3.5	1261	2	US-10-012-896-1009	Sequence 1009, Ap
442	82.5	3.6	423	2	US-09-270-767-49773	Sequence 49773, A	515	81.5	3.5	1261	3	US-10-144-678A-538	Sequence 538, App
443	82.5	3.6	436	2	US-09-922-501-8	Sequence 8, Appl1	516	81.5	3.5	1261	3	US-10-144-678A-1009	Sequence 1009, Ap
444	82.5	3.6	442	2	US-09-826-509-497	Sequence 497, App	517	81.5	3.5	1325	2	US-09-647-140B-2	Sequence 2, Appl1
445	82.5	3.6	452	1	US-08-117-361C-1	Sequence 1, Appl1	518	81.5	3.5	1325	2	US-10-329-258-10	Sequence 10, Appl1
446	82.5	3.6	455	3	US-10-274-851-7	Sequence 7, Appl1	519	81.5	3.5	1464	3	US-10-012-896-1008	Sequence 1008, Ap
447	82.5	3.6	466	2	US-09-065-027-8	Sequence 8, Appl1	520	81.5	3.5	1464	3	US-10-144-678A-1008	Sequence 1008, Ap
448	82.5	3.6	476	1	US-08-811-897A-20	Sequence 20, Appl1	521	81.5	3.5	1503	2	US-09-792-616-3	Sequence 3, Appl1
449	82.5	3.6	476	1	US-08-855-213-20	Sequence 20, Appl1	522	81	3.5	262	2	US-09-252-991A-18779	Sequence 18779, A
450	82.5	3.6	476	2	US-09-201-474-20	Sequence 20, Appl1	523	81	3.5	303	1	US-08-136-989B-9	Sequence 9, Appl1
451	82.5	3.6	482	2	US-08-637-823B-6	Sequence 6, Appl1	524	81	3.5	303	1	US-08-760-936-9	Sequence 9, Appl1
452	82.5	3.6	482	2	US-09-614-957D-6	Sequence 6, Appl1	525	81	3.5	303	1	US-09-225-024-9	Sequence 9, Appl1
453	82.5	3.6	495	1	US-08-811-897A-21	Sequence 21, Appl1	526	81	3.5	413	2	US-09-540-236-4494	Sequence 3494, Ap
454	82.5	3.6	495	1	US-08-855-213-21	Sequence 21, Appl1	527	81	3.5	483	2	US-08-637-823B-4	Sequence 4, Appl1
455	82.5	3.6	495	2	US-09-201-474-21	Sequence 21, Appl1	528	81	3.5	483	2	US-09-614-957D-4	Sequence 4, Appl1
456	82.5	3.6	503	2	US-09-198-452A-784	Sequence 784, App	529	81	3.5	488	2	US-10-152-012-46	Sequence 46, Appl1
457	82.5	3.6	580	2	US-09-438-185A-738	Sequence 738, App	530	81	3.5	550	2	US-08-637-823B-30	Sequence 30, Appl1
458	82.5	3.6	664	2	US-09-268-140-2	Sequence 2, Appl1	531	81	3.5	550	2	US-09-614-957D-30	Sequence 30, Appl1
459	82.5	3.6	664	2	US-09-949-016-9005	Sequence 9005, Ap	532	81	3.5	550	2	US-09-949-016-11374	Sequence 11374, A
460	82.5	3.6	720	2	US-09-134-000C-5631	Sequence 5631, Ap	533	81	3.5	553	2	US-08-501-572-2	Sequence 2, Appl1
461	82.5	3.6	741	2	US-09-248-796A-15489	Sequence 15489, A	534	81	3.5	553	2	US-09-040-444-2	Sequence 2, Appl1
462	82.5	3.6	777	2	US-09-270-767-45498	Sequence 45498, A	535	81	3.5	760	2	US-09-833-017B-28	Sequence 28, Appl1
463	82.5	3.6	866	2	US-08-651-999A-1	Sequence 1, Appl1	536	81	3.5	800	2	US-09-134-001C-5655	Sequence 5655, Ap
464	82.5	3.6	866	2	US-09-385-752-1	Sequence 1, Appl1	537	81	3.5	1159	1	US-08-956-242-13	Sequence 13, Appl1

538	81	3.5	1159	2	US-09-351-215-13	Sequence 13, Appl	611	80	3.5	622	2	US-09-303-518D-834	Sequence 834, App
539	81	3.5	1159	2	US-09-226-012-2	Sequence 2, Appli	612	80	3.5	700	2	US-09-543-681A-4969	Sequence 4969, Ap
540	81	3.5	1159	2	US-09-226-012-4	Sequence 10, Appl	613	80	3.5	707	2	US-09-270-767-44036	Sequence 44036, A
541	81	3.5	1159	2	US-09-358-383C-10	Sequence 10, Appl	614	80	3.5	839	2	US-09-897-427A-4	Sequence 4, Appli
542	81	3.5	1159	2	US-09-275-252A-12	Sequence 12, Appl	615	80	3.5	839	3	US-10-770-127-198	Sequence 198, App
543	81	3.5	1216	2	US-09-248-796A-19646	Sequence 19646, A	616	80	3.5	1160	2	US-09-328-352-6826	Sequence 6826, Ap
544	81	3.5	2938	5	PCT-US94-00198-3	Sequence 3, Appli	617	79.5	3.4	280	2	US-09-543-681A-6175	Sequence 6175, Ap
545	81	3.5	3092	2	US-09-487-558B-172	Sequence 172, App	618	79.5	3.4	291	2	US-09-107-532A-4147	Sequence 4147, Ap
546	80.5	3.5	263	2	US-09-328-352-4486	Sequence 4486, App	619	79.5	3.4	342	2	US-08-988-876-9	Sequence 9, Appli
547	80.5	3.5	280	2	US-09-248-796A-17871	Sequence 17871, A	620	79.5	3.4	348	1	US-08-390-000A-8	Sequence 8, Appli
548	80.5	3.5	352	2	US-08-771-276-20	Sequence 20, Appl	621	79.5	3.4	355	1	US-08-012-988A-2	Sequence 2, Appli
549	80.5	3.5	362	2	US-09-543-681A-4201	Sequence 4201, Ap	622	79.5	3.4	355	1	US-08-450-693A-23	Sequence 5, Appli
550	80.5	3.5	374	2	US-09-914-098-54	Sequence 54, Appl	623	79.5	3.4	355	2	US-08-446-669-5	Sequence 5, Appli
551	80.5	3.5	377	2	US-09-248-796A-25454	Sequence 25454, A	624	79.5	3.4	355	2	US-09-239-98-1	Sequence 14, Appli
552	80.5	3.5	398	1	US-08-288-663A-1	Sequence 1, Appli	625	79.5	3.4	355	2	US-09-886-319A-14	Sequence 13, Appl
553	80.5	3.5	403	2	US-09-170-496D-114	Sequence 114, App	626	79.5	3.4	355	2	US-10-039-659A-13	Sequence 13, Appl
554	80.5	3.5	403	2	US-09-170-496D-224	Sequence 224, App	627	79.5	3.4	355	2	US-09-961-068-1	Sequence 1, Appli
555	80.5	3.5	403	2	US-09-743-742B-4	Sequence 4, Appli	628	79.5	3.4	355	2	US-09-625-573-5	Sequence 5, Appli
556	80.5	3.5	403	2	US-09-743-742B-10	Sequence 10, Appl	629	79.5	3.4	355	2	US-09-960-547-1	Sequence 5, Appli
557	80.5	3.5	405	2	US-09-763-767-62	Sequence 62, Appl	630	79.5	3.4	355	5	PCT-US95-00476-5	Sequence 5, Appli
558	80.5	3.5	408	2	US-09-483-039A-9583	Sequence 9583, Ap	631	79.5	3.4	392	2	US-09-769-787-142	Sequence 142, App
559	80.5	3.5	420	2	US-09-248-796A-16068	Sequence 16068, A	632	79.5	3.4	398	1	US-08-288-663A-15	Sequence 15, Appl
560	80.5	3.5	420	2	US-09-270-767-57054	Sequence 57054, A	633	79.5	3.4	404	2	US-09-270-767-45393	Sequence 45393, A
561	80.5	3.5	420	2	US-09-270-767-59900	Sequence 59900, A	634	79.5	3.4	415	2	US-09-799-978-30	Sequence 30, Appl
562	80.5	3.5	426	3	US-09-603-146-2	Sequence 61712, A	635	79.5	3.4	451	2	US-09-134-001C-4420	Sequence 4420, Ap
563	80.5	3.5	445	1	US-08-630-118A-6	Sequence 2, Appli	636	79.5	3.4	476	1	US-08-811-897A-14	Sequence 14, Appl
564	80.5	3.5	445	1	US-08-838-399-6	Sequence 6, Appli	637	79.5	3.4	476	1	US-08-811-897A-24	Sequence 24, Appl
565	80.5	3.5	445	1	US-09-003-199-2	Sequence 2, Appli	638	79.5	3.4	476	1	US-08-855-213-14	Sequence 14, Appl
566	80.5	3.5	445	1	US-09-003-199-21	Sequence 21, Appl	639	79.5	3.4	476	1	US-08-855-213-24	Sequence 24, Appl
567	80.5	3.5	445	2	US-09-235-893-6	Sequence 6, Appli	640	79.5	3.4	476	2	US-09-201-474-14	Sequence 24, Appl
568	80.5	3.5	445	2	US-09-040-958-2	Sequence 2, Appli	641	79.5	3.4	476	1	US-08-201-474-24	Sequence 24, Appl
569	80.5	3.5	445	2	US-09-040-958-4	Sequence 4, Appli	642	79.5	3.4	513	1	US-08-855-213-15	Sequence 15, Appl
570	80.5	3.5	445	2	US-09-327-035-6	Sequence 6, Appli	643	79.5	3.4	513	1	US-09-201-474-15	Sequence 15, Appl
571	80.5	3.5	445	2	US-09-065-027-2	Sequence 2, Appli	644	79.5	3.4	513	2	US-09-328-877A-3	Sequence 3, Appli
572	80.5	3.5	445	2	US-09-065-027-4	Sequence 4, Appli	645	79.5	3.4	553	1	US-08-851-897A-25	Sequence 25, Appl
573	80.5	3.5	445	2	US-09-708-392-13	Sequence 13, Appl	646	79.5	3.4	553	1	US-08-855-213-25	Sequence 25, Appl
574	80.5	3.5	445	2	US-09-825-509-53	Sequence 53, App	647	79.5	3.4	553	2	US-09-201-474-25	Sequence 25, Appl
575	80.5	3.5	445	1	US-08-343-025-4	Sequence 4, Appli	648	79.5	3.4	553	2	US-09-201-474-25	Sequence 25, Appl
576	80.5	3.5	445	1	US-08-566-096A-4	Sequence 4, Appli	649	79.5	3.4	629	2	US-09-221-013A-2	Sequence 2, Appli
577	80.5	3.5	445	1	US-08-668-650B-4	Sequence 4, Appli	650	79.5	3.4	629	2	US-09-270-767-6193	Sequence 46193, A
578	80.5	3.5	445	1	US-09-200-673-4	Sequence 4, Appli	651	79.5	3.4	659	2	US-09-328-352-6021	Sequence 6021, Ap
579	80.5	3.5	445	2	US-09-194-895-4	Sequence 4, Appli	652	79.5	3.4	661	2	US-09-605-703B-776	Sequence 776, App
580	80.5	3.5	445	2	US-10-013-846-7	Sequence 7, Appli	653	79.5	3.4	673	2	US-09-134-001C-4480	Sequence 4480, Ap
581	80.5	3.5	445	2	US-09-447-907-4	Sequence 4, Appli	654	79.5	3.4	673	2	US-09-605-703B-772	Sequence 772, App
582	80.5	3.5	445	2	US-09-962-646-4	Sequence 7, Appli	655	79.5	3.4	303	2	US-09-543-681A-5539	Sequence 5539, Ap
583	80.5	3.5	445	2	US-10-410-648-7	Sequence 4, Appli	656	79.5	3.4	309	2	US-09-543-681A-4820	Sequence 4820, Ap
584	80.5	3.5	445	2	US-09-962-646-4	Sequence 4, Appli	657	79.5	3.4	314	2	US-08-988-876-7	Sequence 7, Appli
585	80.5	3.5	456	5	PCT-US95-15646-4	Sequence 2666, Ap	658	79.5	3.4	314	2	US-09-968-033C-5	Sequence 50, Appl
586	80.5	3.5	459	2	US-09-710-279-2666	Sequence 5674, Ap	659	79.5	3.4	336	1	US-08-118-270-50	Sequence 50, Appl
587	80.5	3.5	502	2	US-09-134-001C-5674	Sequence 57, Appl	660	79.5	3.4	370	5	PCT-US93-08528-50	Sequence 50, Appl
588	80.5	3.5	549	1	US-08-676-279-57	Sequence 1037, Ap	661	79.5	3.4	370	2	US-09-603-208A-122	Sequence 122, App
589	80.5	3.5	615	2	US-09-198-452A-1037	Sequence 9687, App	662	79.5	3.4	392	2	US-09-489-039A-8713	Sequence 8713, App
590	80.5	3.5	615	2	US-09-438-185A-967	Sequence 967, App	663	79.5	3.4	412	2	US-10-138-701-59	Sequence 59, Appl
591	80.5	3.5	628	2	US-09-107-532A-6897	Sequence 6897, Ap	664	79.5	3.4	415	1	US-08-194-338-10	Sequence 10, Appl
592	80.5	3.5	671	2	US-09-843-598-5	Sequence 5, Appli	665	79.5	3.4	426	2	US-09-134-000C-6607	Sequence 6607, Ap
593	80.5	3.5	671	2	US-09-843-598-7	Sequence 7, Appli	666	79.5	3.4	431	2	US-09-107-532A-5523	Sequence 5523, Ap
594	80.5	3.5	1203	2	US-10-094-749-2651	Sequence 2651, Ap	667	79.5	3.4	439	2	US-09-252-991A-28726	Sequence 28726, A
595	80.5	3.5	3559	2	US-09-693-205A-10	Sequence 10, Appl	668	79.5	3.4	453	2	US-09-743-742B-9	Sequence 9, Appli
596	80.5	3.5	186	2	US-09-107-532A-4965	Sequence 4965, Ap	669	79.5	3.4	453	2	US-09-825-294-409	Sequence 209, App
597	80	3.5	256	2	US-09-964-956-85	Sequence 85, Appl	670	79.5	3.4	453	2	US-09-970-966-209	Sequence 14199, A
598	80	3.5	303	2	US-09-420-786A-3	Sequence 3, Appli	671	79.5	3.4	473	2	US-09-489-039A-14199	Sequence 14199, A
599	80	3.5	344	2	US-08-681-192-2	Sequence 2, Appli	672	79.5	3.4	482	1	US-08-142-439A-7	Sequence 7, Appli
600	80	3.5	356	2	US-10-039-659A-12	Sequence 12, Appl	673	79.5	3.4	482	1	US-08-869-477-7	Sequence 7, Appli
601	80	3.5	367	2	US-09-134-001C-5557	Sequence 5557, Ap	674	79.5	3.4	515	1	US-08-194-338-3	Sequence 3, Appli
602	80	3.5	384	2	US-09-045-583-2	Sequence 2, Appli	675	79.5	3.4	515	1	US-08-444-734A-7	Sequence 22, Appl
603	80	3.5	384	2	US-09-534-185-2	Sequence 2, Appli	676	79.5	3.4	515	1	US-08-406-855A-22	Sequence 22, Appl
604	80	3.5	393	1	US-07-629-104I-3	Sequence 3, Appli	677	79.5	3.4	515	2	US-09-206-899-12	Sequence 12, Appl
605	80	3.5	400	2	US-09-134-001C-2912	Sequence 2912, Ap	678	79.5	3.4	515	2	US-09-688-415-10	Sequence 10, Appl
606	80	3.5	436	2	US-09-175-658B-21	Sequence 21, Appl	679	79.5	3.4	516	1	US-08-794-216-3	Sequence 3, Appli
607	80	3.5	505	2	US-09-328-352-7155	Sequence 7155, Ap	680	79.5	3.4	516	1	US-08-749-289-3	Sequence 3, Appli
608	80	3.5	513	2	US-09-489-039A-13224	Sequence 13224, A	681	79.5	3.4	642	1	US-09-107-532A-3817	Sequence 3817, Ap
609	80	3.5	515	2	US-09-032-742-5	Sequence 5, Appli	682	79.5	3.4	704	2	US-09-252-991A-30631	Sequence 30631, A
610	80	3.5	552	2	US-09-134-000C-3838	Sequence 3838, Ap	683	79.5	3.4	877	2	US-09-165-396-5	Sequence 5, Appli

684	-79	3.4	1090	2	US-08-307-896-3	Sequence 3, Appl1	757	78.5	3.4	653	2	US-09-997-333-229	Sequence 229, App
685	-79	3.4	1090	2	US-08-726-214-4	Sequence 4, Appl1	758	78.5	3.4	653	2	US-09-992-598-229	Sequence 229, App
686	-79	3.4	1090	2	US-09-245-039-3	Sequence 3, Appl1	759	78.5	3.4	653	2	US-09-989-735-229	Sequence 229, App
687	-79	3.4	1090	5	PCT-US95-11808-3	Sequence 3, Appl1	760	78.5	3.4	653	3	US-09-989-726-229	Sequence 229, App
688	-79	3.4	1095	2	US-09-112-096-13	Sequence 15, Appl1	761	78.5	3.4	653	3	US-09-997-514-229	Sequence 229, App
689	-79	3.4	1095	2	US-09-636-215-778	Sequence 17, Appl1	762	78.5	3.4	653	3	US-09-989-728-229	Sequence 229, App
690	-79	3.4	1095	2	US-09-685-166A-778	Sequence 778, App	763	78.5	3.4	653	3	US-09-997-439-229	Sequence 229, App
691	-79	3.4	1095	2	US-09-679-426-778	Sequence 778, App	764	78.5	3.4	653	3	US-09-997-653-229	Sequence 229, App
692	-79	3.4	1095	2	US-09-759-143-778	Sequence 778, App	765	78.5	3.4	653	3	US-09-989-293A-229	Sequence 229, App
693	-79	3.4	1095	2	US-09-651-236-778	Sequence 778, App	766	78.5	3.4	669	2	US-09-949-016-3720	Sequence 6720, App
694	-79	3.4	1095	2	US-09-657-279-778	Sequence 778, App	767	78.5	3.4	671	2	US-08-858-207A-301	Sequence 301, App
695	-79	3.4	1095	2	US-10-012-896-778	Sequence 778, App	768	78.5	3.4	677	2	US-09-543-681A-6388	Sequence 6388, App
696	-79	3.4	1095	2	US-10-144-678A-778	Sequence 778, App	769	78.5	3.4	727	2	US-09-815-923-10	Sequence 10, Appl1
697	-79	3.4	1182	2	US-09-041-886-21	Sequence 21, Appl1	770	78.5	3.4	1296	2	US-09-614-912-140	Sequence 140, App
698	-79	3.4	1503	2	US-09-647-140B-8	Sequence 8, Appl1	771	78	3.4	236	2	US-09-583-110-4314	Sequence 4314, App
699	-79	3.4	2265	1	US-08-149-097D-36	Sequence 36, Appl1	772	78	3.4	242	2	US-09-107-433-1988	Sequence 3988, App
700	-79	3.4	2509	1	US-08-149-097D-35	Sequence 35, Appl1	773	78	3.4	250	2	US-09-134-000C-4662	Sequence 4602, App
701	-79	3.4	2546	2	US-09-949-016-9501	Sequence 9501, App	774	78	3.4	271	2	US-09-540-236-3326	Sequence 2326, App
702	-79	3.4	2546	2	US-08-811-519-13	Sequence 13, Appl1	775	78	3.4	276	2	US-09-903-456-37	Sequence 37, Appl1
703	-79	3.4	207	2	US-08-118-270-65	Sequence 65, Appl1	776	78	3.4	276	2	US-09-624-670-36	Sequence 36, Appl1
704	-78.5	3.4	286	5	PCT-US93-08528-65	Sequence 65, Appl1	777	78	3.4	280	2	US-09-149-476-115	Sequence 415, App
705	-78.5	3.4	304	2	US-09-602-787A-552	Sequence 552, App	778	78	3.4	299	2	US-09-107-532A-5499	Sequence 5499, App
706	-78.5	3.4	304	2	US-09-605-703B-1702	Sequence 1702, App	779	78	3.4	315	1	US-10-114-270-22	Sequence 22, Appl1
707	-78.5	3.4	332	2	US-09-489-039A-9330	Sequence 930, App	780	78	3.4	359	1	US-08-148-209A-4	Sequence 4, Appl1
708	-78.5	3.4	332	2	US-08-153-848-46	Sequence 46, Appl1	781	78	3.4	394	2	US-09-710-279-300	Sequence 300, App
709	-78.5	3.4	337	2	US-09-299-843A-46	Sequence 46, Appl1	782	78	3.4	400	2	US-09-134-001C-4330	Sequence 4320, App
710	-78.5	3.4	337	2	US-09-088-337B-46	Sequence 46, Appl1	783	78	3.4	405	2	US-09-134-001C-4999	Sequence 4999, App
711	-78.5	3.4	337	5	PCT-US93-11153-46	Sequence 46, Appl1	784	78	3.4	409	2	US-09-710-279-2016	Sequence 2016, App
712	-78.5	3.4	352	1	US-08-202-056-3	Sequence 3, Appl1	785	78	3.4	444	2	US-09-543-681A-5355	Sequence 5355, App
713	-78.5	3.4	352	1	US-08-076-093A-4	Sequence 4, Appl1	786	78	3.4	463	2	US-09-583-110-5223	Sequence 5223, App
714	-78.5	3.4	352	1	US-08-701-265-4	Sequence 4, Appl1	787	78	3.4	481	2	US-09-603-208A-2	Sequence 2, Appl1
715	-78.5	3.4	352	1	US-08-284-586-4	Sequence 4, Appl1	788	78	3.4	482	2	US-09-328-352-6084	Sequence 6084, App
716	-78.5	3.4	352	1	US-08-805-478-4	Sequence 4, Appl1	789	78	3.4	491	2	US-09-543-681A-4195	Sequence 4195, App
717	-78.5	3.4	352	1	US-08-802-627A-4	Sequence 4, Appl1	790	78	3.4	542	2	US-09-543-681A-6864	Sequence 6864, App
718	-78.5	3.4	352	1	US-09-502-783A-2	Sequence 2, Appl1	791	78	3.4	563	2	US-09-583-110-3028	Sequence 3028, App
719	-78.5	3.4	352	1	US-09-938-719-5	Sequence 5, Appl1	792	78	3.4	566	2	US-09-769-787-151	Sequence 151, App
720	-78.5	3.4	352	1	US-09-502-784A-2	Sequence 2, Appl1	793	78	3.4	586	2	US-09-107-433-4370	Sequence 4370, App
721	-78.5	3.4	352	2	US-09-104-296-4	Sequence 4, Appl1	794	78	3.4	660	2	US-09-252-991A-22396	Sequence 22396, A
722	-78.5	3.4	352	2	US-08-833-752-5	Sequence 5, Appl1	795	78	3.4	713	2	US-09-543-681A-6094	Sequence 6094, App
723	-78.5	3.4	352	2	US-09-861-105-14	Sequence 14, Appl1	796	78	3.4	715	2	US-09-543-681A-4943	Sequence 4943, App
724	-78.5	3.4	352	2	US-09-045-583-52	Sequence 52, Appl1	797	78	3.4	968	2	US-08-651-999A-7	Sequence 7, Appl1
725	-78.5	3.4	352	2	US-09-517-605-4	Sequence 4, Appl1	798	78	3.4	968	2	US-09-385-752-7	Sequence 7, Appl1
726	-78.5	3.4	352	2	US-09-534-185-52	Sequence 52, Appl1	799	78	3.4	987	2	US-09-949-016-5914	Sequence 5914, App
727	-78.5	3.4	352	2	US-09-502-783A-2	Sequence 2, Appl1	800	78	3.4	1007	2	US-09-830-230A-366	Sequence 366, App
728	-78.5	3.4	352	2	US-09-938-719-5	Sequence 5, Appl1	801	78	3.4	1036	2	US-09-484-565-5	Sequence 5, Appl1
729	-78.5	3.4	352	2	US-09-949-002-303	Sequence 303, App	802	78	3.4	1085	1	US-08-460-751-5	Sequence 5, Appl1
730	-78.5	3.4	352	2	US-09-134-001C-5907	Sequence 8120, App	803	78	3.4	1085	1	US-08-484-565-5	Sequence 5, Appl1
731	-78.5	3.4	352	2	US-09-543-681A-8120	Sequence 3486, App	804	78	3.4	1085	1	US-08-484-565-5	Sequence 5, Appl1
732	-78.5	3.4	352	2	US-09-134-001C-5907	Sequence 8120, App	805	78	3.4	1085	1	US-08-484-565-5	Sequence 5, Appl1
733	-78.5	3.4	352	2	US-09-543-681A-8120	Sequence 3486, App	806	78	3.4	1085	1	US-08-484-565-5	Sequence 5, Appl1
734	-78.5	3.4	352	2	US-09-134-001C-5907	Sequence 8120, App	807	78	3.4	1085	1	US-08-484-565-5	Sequence 5, Appl1
735	-78.5	3.4	352	2	US-09-543-681A-8120	Sequence 3486, App	808	78	3.4	1085	2	US-08-484-565-5	Sequence 5, Appl1
736	-78.5	3.4	352	2	US-09-134-001C-5907	Sequence 8120, App	809	78	3.4	1085	2	US-08-484-565-5	Sequence 5, Appl1
737	-78.5	3.4	352	2	US-09-543-681A-8120	Sequence 3486, App	810	78	3.4	1085	2	US-08-484-565-5	Sequence 5, Appl1
738	-78.5	3.4	352	2	US-09-134-001C-5907	Sequence 8120, App	811	78	3.4	1085	2	US-08-484-565-5	Sequence 5, Appl1
739	-78.5	3.4	352	2	US-09-543-681A-8120	Sequence 3486, App	812	78	3.4	1085	2	US-08-484-565-5	Sequence 5, Appl1
740	-78.5	3.4	352	2	US-09-134-001C-5907	Sequence 8120, App	813	78	3.4	1085	2	US-08-484-565-5	Sequence 5, Appl1
741	-78.5	3.4	352	2	US-09-543-681A-8120	Sequence 3486, App	814	78	3.4	1085	2	US-08-484-565-5	Sequence 5, Appl1
742	-78.5	3.4	352	2	US-09-134-001C-5907	Sequence 8120, App	815	78	3.4	1085	2	US-08-484-565-5	Sequence 5, Appl1
743	-78.5	3.4	352	2	US-09-543-681A-8120	Sequence 3486, App	816	78	3.4	1085	2	US-08-484-565-5	Sequence 5, Appl1
744	-78.5	3.4	352	2	US-09-134-001C-5907	Sequence 8120, App	817	78	3.4	1085	2	US-08-484-565-5	Sequence 5, Appl1
745	-78.5	3.4	352	2	US-09-543-681A-8120	Sequence 3486, App	818	78	3.4	1085	2	US-08-484-565-5	Sequence 5, Appl1
746	-78.5	3.4	352	2	US-09-134-001C-5907	Sequence 8120, App	819	78	3.4	1085	2	US-08-484-565-5	Sequence 5, Appl1
747	-78.5	3.4	352	2	US-09-543-681A-8120	Sequence 3486, App	820	78	3.4	1085	2	US-08-484-565-5	Sequence 5, Appl1
748	-78.5	3.4	352	2	US-09-134-001C-5907	Sequence 8120, App	821	78	3.4	1085	2	US-08-484-565-5	Sequence 5, Appl1
749	-78.5	3.4	352	2	US-09-543-681A-8120	Sequence 3486, App	822	78	3.4	1085	2	US-08-484-565-5	Sequence 5, Appl1
750	-78.5	3.4	352	2	US-09-134-001C-5907	Sequence 8120, App	823	78	3.4	1085	2	US-08-484-565-5	Sequence 5, Appl1
751	-78.5	3.4	352	2	US-09-543-681A-8120	Sequence 3486, App	824	78	3.4	1085	2	US-08-484-565-5	Sequence 5, Appl1
752	-78.5	3.4	352	2	US-09-134-001C-5907	Sequence 8120, App	825	78	3.4	1085	2	US-08-484-565-5	Sequence 5, Appl1
753	-78.5	3.4	352	2	US-09-543-681A-8120	Sequence 3486, App	826	78	3.4	1085	2	US-08-484-565-5	Sequence 5, Appl1
754	-78.5	3.4	352	2	US-09-134-001C-5907	Sequence 8120, App	827	78	3.4	1085	2	US-08-484-565-5	Sequence 5, Appl1
755	-78.5	3.4	352	2	US-09-543-681A-8120	Sequence 3486, App	828	78	3.4	1085	2	US-08-484-565-5	Sequence 5, Appl1
756	-78.5	3.4	352	2	US-09-134-001C-5907	Sequence 8120, App	829	78	3.4	1085	2	US-08-484-565-5	Sequence 5, Appl1

830	77.5	3.3	423	2	US-09-134-001C-5536	Sequence 5536, Ap	503	76.5	3.3	414	2	US-09-710-279-806	Sequence 806, App
831	77.5	3.3	438	2	US-09-543-681A-7772	Sequence 7772, Ap	504	76.5	3.3	419	2	US-09-248-796A-17982	Sequence 17982, A
832	77.5	3.3	439	2	US-09-608-146-29	Sequence 29, Appl	505	76.5	3.3	429	2	US-09-134-001C-3599	Sequence 3599, Ap
833	77.5	3.3	445	2	US-09-602-777A-312	Sequence 312, App	506	76.5	3.3	443	1	US-08-630-118A-2	Sequence 2, Appl
834	77.5	3.3	447	2	US-10-169-048-34	Sequence 34, Appl	507	76.5	3.3	445	1	US-08-838-399-2	Sequence 2, Appl
835	77.5	3.3	447	2	US-10-169-048-44	Sequence 44, Appl	508	76.5	3.3	445	1	US-09-235-399-2	Sequence 2, Appl
836	77.5	3.3	500	2	US-09-178-093B-26	Sequence 26, Appl	509	76.5	3.3	445	2	US-09-337-035-2	Sequence 2, Appl
837	77.5	3.3	553	2	US-09-514-245-4	Sequence 4, Appl	510	76.5	3.3	445	2	US-09-540-236-1105	Sequence 3105, Ap
838	77.5	3.3	590	2	US-09-488-039A-7412	Sequence 7412, Ap	511	76.5	3.3	494	2	US-09-489-039A-11852	Sequence 11852, A
839	77.5	3.3	659	2	US-09-252-991A-22940	Sequence 22940, A	512	76.5	3.3	516	2	US-09-252-991A-21293	Sequence 21292, A
840	77.5	3.3	676	2	US-09-815-923-12	Sequence 12, Appl	513	76.5	3.3	522	2	US-09-489-039A-10999	Sequence 10999, A
841	77.5	3.3	681	2	US-09-248-796A-20857	Sequence 20857, A	514	76.5	3.3	532	2	US-09-328-352-721A	Sequence 721, Ap
842	77.5	3.3	772	2	US-09-603-208A-14	Sequence 14, Appl	515	76.5	3.3	532	2	US-09-826-509-521	Sequence 521, App
843	77.5	3.3	772	2	US-09-935-799A-2	Sequence 2, Appl	516	76.5	3.3	547	2	US-08-903-139B-7	Sequence 7, Appl
844	77.5	3.3	772	2	US-09-935-799A-5	Sequence 5, Appl	517	76.5	3.3	598	2	US-09-487-558B-406	Sequence 406, App
845	77.5	3.3	913	3	US-09-907-155B-2	Sequence 2, Appl	518	76.5	3.3	660	2	US-09-252-991A-29885	Sequence 29885, A
846	77.5	3.3	962	2	US-09-328-352-7942	Sequence 7942, Ap	519	76.5	3.3	977	2	US-09-248-796A-15579	Sequence 15579, A
847	77.5	3.3	2262	2	US-09-269-446D-44	Sequence 44, Appl	520	76.5	3.3	1031	2	US-09-543-681A-8245	Sequence 8245, Ap
848	77	3.3	223	2	US-09-465-901-22	Sequence 22, Appl	521	76.5	3.3	1039	2	US-09-900-237-14	Sequence 14, Appl
849	77	3.3	238	1	US-08-103-170-13	Sequence 13, Appl	522	76	3.3	185	2	US-09-270-767-37678	Sequence 37678, A
850	77	3.3	319	3	US-10-770-127-51	Sequence 51, Appl	523	76	3.3	185	2	US-09-270-767-52895	Sequence 52895, A
851	77	3.3	320	3	US-10-770-127-160	Sequence 160, App	524	76	3.3	207	2	US-08-811-519-16	Sequence 16, Appl
852	77	3.3	323	2	US-09-107-532A-5460	Sequence 5460, Ap	525	76	3.3	216	2	US-09-540-236-2363	Sequence 2363, Ap
853	77	3.3	342	1	US-08-742-011-2	Sequence 2, Appl	526	76	3.3	285	2	US-09-248-796A-14187	Sequence 14187, A
854	77	3.3	342	2	US-09-275-384B-5	Sequence 5, Appl	527	76	3.3	308	3	US-10-770-127-115	Sequence 115, App
855	77	3.3	342	2	US-09-116-498-2	Sequence 2, Appl	528	76	3.3	314	5	PCT-US93-08528-26	Sequence 26, Appl
856	77	3.3	342	2	US-09-449-437A-2	Sequence 2, Appl	529	76	3.3	345	1	US-08-118-270-43	Sequence 43, Appl
857	77	3.3	342	2	US-09-517-605-9	Sequence 9, Appl	530	76	3.3	345	1	PCT-US93-08528-43	Sequence 43, Appl
858	77	3.3	342	2	US-09-852-156-2	Sequence 2, Appl	531	76	3.3	353	5	US-08-467-559B-10	Sequence 10, Appl
859	77	3.3	342	2	US-09-721-341-9	Sequence 9, Appl	532	76	3.3	353	1	US-08-833-752-8	Sequence 8, Appl
860	77	3.3	342	2	US-09-721-485B-9	Sequence 9, Appl	533	76	3.3	355	2	US-09-898-719-8	Sequence 8, Appl
861	77	3.3	342	2	US-09-721-341-9	Sequence 9, Appl	534	76	3.3	355	2	US-09-939-226B-8	Sequence 8, Appl
862	77	3.3	358	2	US-09-543-681A-4765	Sequence 4765, Ap	535	76	3.3	355	2	US-09-938-703B-8	Sequence 8, Appl
863	77	3.3	378	1	US-08-383-750-2	Sequence 2, Appl	536	76	3.3	355	2	US-09-926-164-2	Sequence 2, Appl
864	77	3.3	378	1	US-08-383-751A-2	Sequence 2, Appl	537	76	3.3	357	2	US-09-170-496D-24	Sequence 24, Appl
865	77	3.3	378	2	US-08-352-678-2	Sequence 2, Appl	538	76	3.3	357	2	US-09-170-496D-176	Sequence 176, App
866	77	3.3	378	2	US-09-046-583-49	Sequence 49, Appl	539	76	3.3	357	2	US-09-952-385-2	Sequence 2, Appl
867	77	3.3	378	2	US-09-534-185-49	Sequence 49, Appl	540	76	3.3	357	2	US-09-966-755-2	Sequence 2, Appl
868	77	3.3	378	2	US-09-536-954-2	Sequence 2, Appl	541	76	3.3	357	2	US-09-522-752-2	Sequence 2, Appl
869	77	3.3	378	2	US-09-929-583B-2	Sequence 2, Appl	542	76	3.3	369	2	US-09-826-509-481	Sequence 481, App
870	77	3.3	378	2	US-09-721-341-7	Sequence 7, Appl	543	76	3.3	369	2	US-09-721-341-6	Sequence 6, Appl
871	77	3.3	378	2	US-09-721-495B-7	Sequence 7, Appl	544	76	3.3	369	2	US-09-721-495B-6	Sequence 6, Appl
872	77	3.3	378	2	US-09-721-341-7	Sequence 7, Appl	545	76	3.3	369	2	US-09-721-495B-6	Sequence 6, Appl
873	77	3.3	378	2	PCT-US93-09636-2	Sequence 2, Appl	546	76	3.3	371	2	US-09-949-016-11223	Sequence 11223, A
874	77	3.3	443	1	US-08-444-734A-3	Sequence 3, Appl	547	76	3.3	395	3	US-09-609-146-25	Sequence 28, Appl
875	77	3.3	444	1	US-07-781-254A-1	Sequence 1, Appl	548	76	3.3	399	2	US-09-328-352-8043	Sequence 8043, Ap
876	77	3.3	461	2	US-09-303-518D-590	Sequence 590, App	549	76	3.3	443	1	US-07-626-618A-18	Sequence 18, Appl
877	77	3.3	461	2	US-09-303-518D-592	Sequence 592, App	550	76	3.3	443	1	US-08-333-977-18	Sequence 18, Appl
878	77	3.3	469	2	US-09-489-039A-10214	Sequence 10214, A	551	76	3.3	443	2	US-08-826-509-489	Sequence 489, App
879	77	3.3	480	2	US-09-454-071-2	Sequence 2, Appl	552	76	3.3	452	2	US-09-540-236-3462	Sequence 3462, Ap
880	77	3.3	527	2	US-09-902-540-9883	Sequence 9883, Ap	553	76	3.3	452	2	US-09-602-787A-398	Sequence 398, App
881	77	3.3	527	2	US-09-489-039A-9695	Sequence 9695, Ap	554	76	3.3	453	1	US-09-491-577-44	Sequence 44, Appl
882	77	3.3	622	1	US-08-132-990A-4	Sequence 4, Appl	555	76	3.3	453	1	US-08-672-614D-2	Sequence 2, Appl
883	77	3.3	622	5	PCT-US92-09382-4	Sequence 4, Appl	556	76	3.3	461	1	US-09-313-696-2	Sequence 2, Appl
884	77	3.3	644	1	US-08-866-757-2	Sequence 2, Appl	557	76	3.3	461	2	US-09-282-218A-2	Sequence 2, Appl
885	77	3.3	644	2	US-09-153-593-2	Sequence 2, Appl	558	76	3.3	462	2	US-09-328-352-6888	Sequence 6888, Ap
886	77	3.3	687	2	US-09-762-569-2	Sequence 2, Appl	559	76	3.3	515	1	US-08-722-001-25	Sequence 25, Appl
887	77	3.3	765	2	US-09-762-569-6	Sequence 6, Appl	560	76	3.3	517	1	US-08-467-568-10	Sequence 10, Appl
888	77	3.3	765	2	US-09-762-569-10	Sequence 10, Appl	561	76	3.3	517	1	US-09-030-518D-10	Sequence 10, Appl
889	77	3.3	1786	2	US-08-973-462-8	Sequence 8, Appl	562	76	3.3	520	1	US-08-314-698-4	Sequence 4, Appl
890	76.5	3.3	254	2	US-09-543-681A-4919	Sequence 4919, Ap	563	76	3.3	520	1	US-08-228-932-4	Sequence 4, Appl
891	76.5	3.3	355	2	US-09-874-132-3	Sequence 3, Appl	564	76	3.3	520	1	US-08-468-939-4	Sequence 4, Appl
892	76.5	3.3	355	2	US-09-586-511-3	Sequence 3, Appl	565	76	3.3	520	1	US-08-468-939-4	Sequence 4, Appl
893	76.5	3.3	357	5	PCT-US95-07180-3	Sequence 3, Appl	566	76	3.3	520	1	US-08-406-655A-4	Sequence 4, Appl
894	76.5	3.3	374	1	US-08-454-267-2	Sequence 2, Appl	567	76	3.3	520	2	US-08-722-190-4	Sequence 4, Appl
895	76.5	3.3	374	1	US-08-454-267-6	Sequence 6, Appl	568	76	3.3	520	2	US-08-244-354-4	Sequence 4, Appl
896	76.5	3.3	374	1	US-08-941-319-2	Sequence 2, Appl	569	76	3.3	520	2	US-09-206-899-4	Sequence 4, Appl
897	76.5	3.3	374	1	US-08-941-319-6	Sequence 6, Appl	570	76	3.3	520	2	US-09-444-783-4	Sequence 4, Appl
898	76.5	3.3	374	1	US-09-035-098-2	Sequence 2, Appl	571	76	3.3	520	2	US-09-688-415-4	Sequence 4, Appl
899	76.5	3.3	374	2	US-09-035-098-6	Sequence 6, Appl	572	76	3.3	520	2	US-09-444-783-4	Sequence 4, Appl
900	76.5	3.3	374	2	US-09-215-252-5	Sequence 5, Appl	573	76	3.3	520	5	PCT-US95-04203-4	Sequence 4, Appl
901	76.5	3.3	374	2	US-09-970-989A-5	Sequence 5, Appl	574	76	3.3	575	2	US-09-927-267-16	Sequence 16, Appl
902	76.5	3.3	383	2	US-09-560-761B-28	Sequence 28, Appl	575	76	3.3	680	2	US-09-720-317A-18	Sequence 18, Appl

976	76	3.3	692	2	US-09-540-236-3150	Sequence 3150, Ap	1049	75	3.2	355	5	PCT-US93-08528-11	Sequence 11, Appl
977	76	3.3	725	2	US-09-248-796A-20849	Sequence 20849, A	1050	75	3.2	361	2	US-09-482-273-236	Sequence 226, App
978	76	3.3	1085	2	US-09-734-674-4	Sequence 4, Appli	1051	75	3.2	375	2	US-09-248-796A-19370	Sequence 19270, A
979	76	3.3	1085	2	US-10-274-990-4	Sequence 4, Appli	1052	75	3.2	377	2	US-09-248-796A-17323	Sequence 17323, A
980	76	3.3	1095	2	US-09-636-215-780	Sequence 780, App	1053	75	3.2	425	2	US-09-543-681A-6042	Sequence 6042, Ap
981	76	3.3	1095	2	US-09-685-166A-780	Sequence 780, App	1054	75	3.2	428	2	US-09-198-452A-720	Sequence 720, App
982	76	3.3	1095	2	US-09-679-143-780	Sequence 780, App	1055	75	3.2	428	2	US-09-799-978-36	Sequence 36, Appl
983	76	3.3	1095	2	US-09-759-143-780	Sequence 780, App	1056	75	3.2	428	2	US-09-438-185A-682	Sequence 682, App
984	76	3.3	1095	2	US-09-651-236-780	Sequence 780, App	1057	75	3.2	444	1	US-07-626-618A-19	Sequence 19, Appl
985	76	3.3	1095	2	US-09-657-279-780	Sequence 780, App	1058	75	3.2	444	1	US-08-333-977-19	Sequence 19, Appl
986	76	3.3	1095	2	US-10-012-896-780	Sequence 780, App	1059	75	3.2	447	2	US-09-489-039A-10593	Sequence 10593, A
987	76	3.3	1095	2	US-10-144-678A-780	Sequence 780, App	1060	75	3.2	462	2	US-09-238-796A-2	Sequence 2, Appli
988	76	3.3	1498	3	US-09-792-616-9	Sequence 9, Appli	1061	75	3.2	472	2	US-09-489-039A-8121	Sequence 8121, Ap
989	75.5	3.3	325	1	US-08-671-525B-10	Sequence 10, Appl	1062	75	3.2	478	2	US-09-902-540-10474	Sequence 10474, A
990	75.5	3.3	325	1	US-08-672-109B-10	Sequence 10, Appl	1063	75	3.2	482	1	US-07-792-885A-1	Sequence 1, Appli
991	75.5	3.3	325	1	US-08-842-045-10	Sequence 10, Appl	1064	75	3.2	483	2	US-09-107-532A-5650	Sequence 5650, Ap
992	75.5	3.3	325	1	US-08-842-238-10	Sequence 10, Appl	1065	75	3.2	495	2	US-09-489-039A-10528	Sequence 10528, A
993	75.5	3.3	325	1	US-08-706-281A-18	Sequence 10, Appl	1066	75	3.2	517	2	US-09-815-923-16	Sequence 16, Appl
994	75.5	3.3	325	2	US-08-629-335B-10	Sequence 18, Appl	1067	75	3.2	528	2	US-09-248-796A-20729	Sequence 20729, A
995	75.5	3.3	325	2	US-09-097-231-18	Sequence 18, Appl	1068	75	3.2	537	2	US-09-489-039A-14149	Sequence 14149, A
996	75.5	3.3	325	2	US-09-353-099-18	Sequence 18, Appl	1069	75	3.2	555	2	US-08-956-171E-5247	Sequence 5247, Ap
997	75.5	3.3	329	1	US-08-619-362A-10	Sequence 10, Appl	1070	75	3.2	555	2	US-08-781-986A-5247	Sequence 5247, Ap
998	75.5	3.3	359	2	US-09-134-000C-5442	Sequence 5442, Ap	1071	75	3.2	559	1	US-08-313-553-15	Sequence 15, Appl
999	75.5	3.3	381	1	US-08-467-125-2	Sequence 2, Appli	1072	75	3.2	559	2	US-08-767-993-15	Sequence 15, Appl
1000	75.5	3.3	381	1	US-08-911-320A-2	Sequence 2, Appli	1073	75	3.2	614	2	US-09-543-681A-4330	Sequence 4330, Ap
1001	75.5	3.3	397	2	US-09-217-101-2	Sequence 2, Appli	1074	75	3.2	614	2	US-09-949-016-10337	Sequence 10337, A
1002	75.5	3.3	397	2	US-09-248-796A-20419	Sequence 20419, A	1075	75	3.2	730	2	US-09-603-208A-218	Sequence 218, App
1003	75.5	3.3	407	2	US-09-543-681A-6945	Sequence 6945, Ap	1076	75	3.2	811	2	US-09-252-991A-22216	Sequence 22216, A
1004	75.5	3.3	419	2	US-09-328-352-6670	Sequence 6670, Ap	1077	75	3.2	879	1	US-08-220-151-2	Sequence 2, Appli
1005	75.5	3.3	421	2	US-09-489-039A-9655	Sequence 9655, Ap	1078	75	3.2	879	1	US-08-220-151-3	Sequence 3, Appli
1006	75.5	3.3	448	2	US-09-540-236-3707	Sequence 3707, Ap	1079	75	3.2	879	1	US-08-413-118-2	Sequence 2, Appli
1007	75.5	3.3	450	2	US-09-134-001C-4858	Sequence 4858, Ap	1080	75	3.2	879	1	US-08-413-118-3	Sequence 3, Appli
1008	75.5	3.3	455	2	US-09-902-218A-13198	Sequence 13198, A	1081	75	3.2	879	1	US-08-413-118-106	Sequence 106, App
1009	75.5	3.3	457	2	US-09-282-258A-18	Sequence 18, Appl	1082	75	3.2	879	2	US-08-473-446-2	Sequence 2, Appli
1010	75.5	3.3	463	2	US-09-543-681A-8204	Sequence 8204, Ap	1083	75	3.2	879	2	US-08-473-446-3	Sequence 3, Appli
1011	75.5	3.3	463	2	US-09-830-230A-17	Sequence 17, Appli	1084	75	3.2	1098	2	US-08-726-214-10	Sequence 106, App
1012	75.5	3.3	465	2	US-08-788-231A-2	Sequence 2, Appli	1085	75	3.2	198	2	US-09-489-039A-12571	Sequence 12571, A
1013	75.5	3.3	465	2	US-09-046-239A-2	Sequence 2, Appli	1086	74.5	3.2	198	2	US-09-489-039A-11949	Sequence 11949, A
1014	75.5	3.3	465	2	US-09-043-944-4	Sequence 4, Appli	1087	74.5	3.2	259	2	US-09-543-681A-6382	Sequence 6382, Ap
1015	75.5	3.3	465	2	US-10-811-199-4	Sequence 4, Appli	1088	74.5	3.2	276	2	US-09-543-681A-4672	Sequence 4672, Ap
1016	75.5	3.3	471	2	US-09-107-532A-4028	Sequence 4028, Ap	1089	74.5	3.2	297	2	US-08-118-270-58	Sequence 58, Appl
1017	75.5	3.3	486	2	US-10-033-109-12	Sequence 12, Appl	1090	74.5	3.2	297	5	PCT-US93-08528-58	Sequence 58, Appl
1018	75.5	3.3	490	2	US-09-489-039A-9610	Sequence 9610, Ap	1091	74.5	3.2	319	2	US-09-543-681A-5338	Sequence 5398, Ap
1019	75.5	3.3	499	2	US-09-540-236-3217	Sequence 3217, Ap	1092	74.5	3.2	320	1	US-08-101-435-4	Sequence 4, Appli
1020	75.5	3.3	502	2	US-09-134-000C-6114	Sequence 6114, Ap	1093	74.5	3.2	320	2	US-09-489-039A-10349	Sequence 10349, A
1021	75.5	3.3	515	1	US-09-073-362-3	Sequence 3, Appli	1094	74.5	3.2	322	2	US-09-134-000C-5510	Sequence 5510, Ap
1022	75.5	3.3	515	1	US-09-243-920-3	Sequence 3, Appli	1095	74.5	3.2	352	2	US-08-466-343D-2	Sequence 2, Appli
1023	75.5	3.3	515	2	US-09-949-016-6445	Sequence 6445, Ap	1096	74.5	3.2	355	2	US-09-886-319A-13	Sequence 13, Appl
1024	75.5	3.3	538	2	US-09-107-532A-5563	Sequence 5563, Ap	1097	74.5	3.2	373	2	US-09-622-439-26	Sequence 26, Appl
1025	75.5	3.3	540	2	US-09-270-767-35182	Sequence 35182, A	1098	74.5	3.2	373	2	US-10-318-142-26	Sequence 26, Appl
1026	75.5	3.3	540	2	US-09-270-767-50399	Sequence 50399, A	1099	74.5	3.2	384	2	US-08-530-862B-4	Sequence 4, Appli
1027	75.5	3.3	552	2	US-09-949-016-9572	Sequence 9572, Ap	1100	74.5	3.2	384	2	US-08-530-862B-4	Sequence 4, Appli
1028	75.5	3.3	556	2	US-08-501-572-1	Sequence 1, Appli	1101	74.5	3.2	384	2	US-08-537-313D-4	Sequence 4, Appli
1029	75.5	3.3	556	2	US-09-040-444-1	Sequence 1, Appli	1102	74.5	3.2	384	2	US-09-885-189-4	Sequence 4, Appli
1030	75.5	3.3	600	2	US-09-328-352-4802	Sequence 4802, Ap	1103	74.5	3.2	409	2	US-09-328-352-2034	Sequence 2034, Appl
1031	75.5	3.3	602	2	US-08-836-687B-31	Sequence 31, Appl	1104	74.5	3.2	409	2	US-09-328-352-6044	Sequence 6044, Ap
1032	75.5	3.3	619	2	US-10-056-790-12	Sequence 12, Appl	1105	74.5	3.2	413	2	US-09-248-796A-15436	Sequence 15436, A
1033	75.5	3.3	619	2	US-10-056-790-42	Sequence 42, Appl	1106	74.5	3.2	415	2	US-09-341-016A-1	Sequence 1, Appli
1034	75.5	3.3	631	2	US-09-720-317A-29	Sequence 29, Appl	1107	74.5	3.2	425	2	US-09-711-164-428	Sequence 428, App
1035	75.5	3.3	658	2	US-09-538-092-1190	Sequence 1190, Ap	1108	74.5	3.2	470	2	US-09-543-681A-7894	Sequence 7894, Ap
1036	75.5	3.3	717	2	US-09-583-110-4629	Sequence 4629, Ap	1109	74.5	3.2	477	2	US-09-134-001C-3487	Sequence 3487, Ap
1037	75.5	3.3	721	2	US-09-107-433-2819	Sequence 2819, Ap	1110	74.5	3.2	504	2	US-10-104-047-8872	Sequence 8872, Ap
1038	75.5	3.3	721	2	US-09-830-230A-317	Sequence 317, App	1111	74.5	3.2	543	2	US-09-248-796A-20036	Sequence 20036, A
1039	75	3.2	217	2	US-09-489-039A-12047	Sequence 12047, A	1112	74.5	3.2	548	2	US-09-543-681A-4994	Sequence 4994, Ap
1040	75	3.2	263	2	US-09-489-039A-12047	Sequence 12047, A	1113	74.5	3.2	548	2	US-09-543-681A-4994	Sequence 4994, Ap
1041	75	3.2	277	2	US-09-248-796A-20073	Sequence 20073, A	1114	74.5	3.2	575	2	US-09-328-352-6465	Sequence 6465, Ap
1042	75	3.2	280	2	US-09-328-352-7866	Sequence 7866, Ap	1115	74.5	3.2	599	2	US-09-815-923-14	Sequence 14, Appl
1043	75	3.2	308	2	US-09-543-681A-7751	Sequence 7751, Ap	1116	74.5	3.2	605	2	US-09-248-796A-16137	Sequence 16137, A
1044	75	3.2	313	2	US-09-328-352-7184	Sequence 7184, Ap	1117	74.5	3.2	626	1	US-09-328-352-7890	Sequence 7890, Ap
1045	75	3.2	318	1	US-08-619-362A-9	Sequence 9, Appli	1118	74.5	3.2	626	1	US-08-956-242-2	Sequence 2, Appli
1046	75	3.2	355	1	US-08-118-270-11	Sequence 11, Appl	1119	74.5	3.2	626	2	US-09-351-215-2	Sequence 2, Appli
1047	75	3.2	355	1	US-08-461-244-2	Sequence 2, Appli	1120	74.5	3.2	662	2	US-09-248-796A-16065	Sequence 16065, A
1048	75	3.2	355	2	US-09-045-583-56	Sequence 56, Appl	1121	74.5	3.2	671	2	US-09-583-110-2642	Sequence 2642, Ap
			355	2	US-09-534-185-56	Sequence 56, Appl	1121	74.5	3.2	676	2	US-09-107-433-4098	Sequence 4098, Ap

1122	74.5	3.2	908	2	US-08-855-146-2	Sequence 2, Appli	1195	74	3.2	851	2	US-09-619-353-12	Sequence 12, Appli
1123	74.5	3.2	915	2	US-09-107-532A-714	Sequence 3714, Ap	1196	74	3.2	1079	1	US-08-485-568-8	Sequence 8, Appli
1124	74.5	3.2	1253	2	US-08-864-785-2	Sequence 2, Appli	1197	74	3.2	1079	1	US-08-484-565-8	Sequence 8, Appli
1125	74.5	3.2	2161	1	US-07-745-206A-2	Sequence 2, Appli	1198	74	3.2	1079	1	US-08-460-751-8	Sequence 8, Appli
1126	74.5	3.2	2161	1	US-08-455-543A-49	Sequence 49, Appli	1199	74	3.2	1079	1	US-08-943-966-8	Sequence 8, Appli
1127	74.5	3.2	2161	1	US-08-455-543A-51	Sequence 51, Appli	1200	74	3.2	1079	2	US-08-353-784-8	Sequence 8, Appli
1128	74.5	3.2	2161	1	US-08-223-305C-49	Sequence 49, Appli	1201	74	3.2	1079	2	US-08-484-719B-8	Sequence 8, Appli
1129	74.5	3.2	2161	1	US-08-223-305C-51	Sequence 51, Appli	1202	74	3.2	1079	2	US-08-484-159-8	Sequence 8, Appli
1130	74.5	3.2	2161	1	US-08-311-363-2	Sequence 2, Appli	1203	74.5	3.2	1110	2	US-09-248-786A-2230	Sequence 2230, A
1131	74.5	3.2	2181	2	US-09-949-016-5981	Sequence 5981, Ap	1204	73.5	3.2	182	2	US-09-107-532A-706	Sequence 5036, Ap
1132	74.5	3.2	2188	2	US-09-949-016-8295	Sequence 8295, Ap	1205	73.5	3.2	230	2	US-09-605-703B-2776	Sequence 2776, Ap
1133	74.5	3.2	2291	1	US-08-286-819A-29	Sequence 29, Appli	1206	73.5	3.2	238	2	US-09-247-155-89	Sequence 89, Appli
1134	74.5	3.2	2291	2	US-08-980-357-29	Sequence 29, Appli	1207	73.5	3.2	238	2	US-09-903-190-89	Sequence 89, Appli
1135	74.5	3.2	2291	2	US-09-357-375-29	Sequence 29, Appli	1208	73.5	3.2	292	2	US-09-134-001C-4109	Sequence 4109, Ap
1136	74	3.2	178	2	US-09-248-796A-17314	Sequence 17314, A	1209	73.5	3.2	292	2	US-09-549-848B-32	Sequence 32, Appli
1137	74	3.2	193	2	US-09-543-681A-5429	Sequence 5429, Ap	1210	73.5	3.2	292	2	US-09-688-069-12	Sequence 32, Appli
1138	74	3.2	198	2	US-09-328-352-8198	Sequence 8198, Ap	1211	73.5	3.2	293	2	US-10-088-744A-12	Sequence 12, Appli
1139	74	3.2	207	2	US-08-811-519-17	Sequence 17, Appli	1212	73.5	3.2	294	2	US-09-543-681A-7642	Sequence 7642, Ap
1140	74	3.2	317	2	US-09-543-681A-6705	Sequence 6705, Ap	1213	73.5	3.2	296	2	US-09-328-352-7831	Sequence 7831, Ap
1141	74	3.2	337	2	US-09-710-279-444	Sequence 444, App	1214	73.5	3.2	296	2	US-10-088-744A-10	Sequence 10, Appli
1142	74	3.2	338	2	US-09-286-805-4	Sequence 4, Appli	1215	73.5	3.2	305	2	US-09-489-039A-14056	Sequence 14056, A
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1144	74	3.2	342	2	US-09-852-156-4	Sequence 4, Appli	1217	73.5	3.2	322	2	US-09-543-681A-6734	Sequence 6734, Ap
1145	74	3.2	347	2	US-09-134-001C-5508	Sequence 5508, Ap	1218	73.5	3.2	326	2	US-09-134-000C-4813	Sequence 4813, Ap
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1147	74	3.2	348	5	PCT-US93-08528-13	Sequence 13, Appli	1220	73.5	3.2	332	2	US-08-706-281A-16	Sequence 16, Appli
1148	74	3.2	358	1	US-08-153-848-19	Sequence 19, Appli	1221	73.5	3.2	332	2	US-09-037-231-16	Sequence 16, Appli
1149	74	3.2	358	2	US-09-299-843A-19	Sequence 19, Appli	1222	73.5	3.2	332	2	US-09-353-099-16	Sequence 16, Appli
1150	74	3.2	358	2	US-09-088-337B-19	Sequence 19, Appli	1223	73.5	3.2	340	2	US-09-328-352-4501	Sequence 4501, Ap
1151	74	3.2	358	5	PCT-US93-11153-19	Sequence 19, Appli	1224	73.5	3.2	352	2	US-09-826-509-885	Sequence 485, App
1152	74	3.2	365	2	US-09-252-991A-21955	Sequence 21955, A	1225	73.5	3.2	355	2	US-08-833-752-9	Sequence 9, Appli
1153	74	3.2	372	2	US-09-328-352-6169	Sequence 6169, Ap	1226	73.5	3.2	355	2	US-09-328-352-4374	Sequence 4374, Ap
1154	74	3.2	373	2	US-09-543-681A-4417	Sequence 4417, Ap	1227	73.5	3.2	355	2	US-09-938-719-9	Sequence 9, Appli
1155	74	3.2	378	1	US-08-153-848-15	Sequence 15, Appli	1228	73.5	3.2	355	2	US-09-939-226B-9	Sequence 9, Appli
1156	74	3.2	378	2	US-09-299-843A-15	Sequence 15, Appli	1229	73.5	3.2	355	2	US-09-938-703B-9	Sequence 9, Appli
1157	74	3.2	378	2	US-09-251-545-1	Sequence 1, Appli	1230	73.5	3.2	364	2	US-09-710-279-6626	Sequence 2626, Ap
1158	74	3.2	378	2	US-09-088-337B-15	Sequence 15, Appli	1231	73.5	3.2	380	2	US-09-328-352-6640	Sequence 5640, Ap
1159	74	3.2	378	2	US-09-170-496D-74	Sequence 74, Appli	1232	73.5	3.2	384	1	US-09-071-444-3	Sequence 3, Appli
1160	74	3.2	378	5	PCT-US93-11153-15	Sequence 15, Appli	1233	73.5	3.2	390	2	US-07-937-609-18	Sequence 18, Appli
1161	74	3.2	386	2	US-09-543-681A-8033	Sequence 8033, Ap	1234	73.5	3.2	390	2	US-08-029-170-18	Sequence 18, Appli
1162	74	3.2	400	2	US-10-140-372-1	Sequence 1, Appli	1235	73.5	3.2	390	2	US-09-520-210-13	Sequence 13, Appli
1163	74	3.2	404	2	US-09-134-001C-4261	Sequence 4261, Ap	1236	73.5	3.2	390	2	US-09-443-745-18	Sequence 18, Appli
1164	74	3.2	410	1	US-08-153-848-7	Sequence 7, Appli	1237	73.5	3.2	390	5	PCT-US92-02091-6	Sequence 6, Appli
1165	74	3.2	410	2	US-09-299-843A-7	Sequence 7, Appli	1238	73.5	3.2	395	2	US-08-635-552A-4	Sequence 4, Appli
1166	74	3.2	410	2	US-09-088-337B-7	Sequence 7, Appli	1239	73.5	3.2	399	2	US-09-602-787A-416	Sequence 416, App
1167	74	3.2	410	2	US-09-543-681A-8105	Sequence 8105, Ap	1240	73.5	3.2	403	2	US-09-134-000C-5708	Sequence 5708, Ap
1168	74	3.2	410	5	PCT-US93-11153-7	Sequence 7, Appli	1241	73.5	3.2	403	2	US-10-140-372-2	Sequence 2, Appli
1169	74	3.2	414	2	US-09-489-039A-10869	Sequence 10869, A	1242	73.5	3.2	412	2	US-09-489-039A-8361	Sequence 8361, Ap
1170	74	3.2	438	1	US-08-846-762-8	Sequence 8, Appli	1243	73.5	3.2	412	2	US-09-248-786A-22404	Sequence 22404, A
1171	74	3.2	440	2	US-09-583-110-4693	Sequence 4693, Ap	1244	73.5	3.2	412	2	US-09-949-016-10101	Sequence 10101, A
1172	74	3.2	456	2	US-09-328-352-7590	Sequence 7590, Ap	1245	73.5	3.2	412	2	US-10-088-744A-4	Sequence 4, Appli
1173	74	3.2	474	2	US-09-701-068-5	Sequence 5, Appli	1246	73.5	3.2	412	2	US-10-088-744A-8	Sequence 8, Appli
1174	74	3.2	518	2	US-09-583-110-4157	Sequence 4157, Ap	1247	73.5	3.2	415	2	US-09-545-944-2	Sequence 2, Appli
1175	74	3.2	539	2	US-09-701-068-2	Sequence 2, Appli	1248	73.5	3.2	415	2	US-09-875-076-12	Sequence 12, Appli
1176	74	3.2	550	1	US-08-121-057-4	Sequence 4, Appli	1249	73.5	3.2	415	2	US-10-215-619-2	Sequence 2, Appli
1177	74	3.2	550	1	US-08-509-187D-4	Sequence 4, Appli	1250	73.5	3.2	415	2	US-10-088-744A-2	Sequence 2, Appli
1178	74	3.2	550	1	US-09-121-396-4	Sequence 4, Appli	1251	73.5	3.2	415	2	US-10-088-744A-6	Sequence 6, Appli
1179	74	3.2	550	5	PCT-US93-09704A-4	Sequence 4, Appli	1252	73.5	3.2	415	2	US-09-609-146-4	Sequence 4, Appli
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1181	74	3.2	569	2	US-09-674-768-6	Sequence 6, Appli	1254	73.5	3.2	419	2	US-09-146-893-2	Sequence 2, Appli
1182	74	3.2	573	2	US-10-104-047-3669	Sequence 3669, Ap	1255	73.5	3.2	419	2	US-08-675-499A-5	Sequence 5, Appli
1183	74	3.2	614	1	US-08-291-299-7	Sequence 7, Appli	1256	73.5	3.2	419	2	US-08-812-008-5	Sequence 5, Appli
1184	74	3.2	614	5	PCT-US95-10579-7	Sequence 7, Appli	1257	73.5	3.2	419	2	US-09-543-681A-6107	Sequence 6107, Ap
1185	74	3.2	621	2	US-09-720-317A-16	Sequence 16, Appli	1258	73.5	3.2	419	2	US-10-117-795-2	Sequence 2, Appli
1186	74	3.2	663	2	US-08-959-004-5	Sequence 5, Appli	1259	73.5	3.2	419	2	US-10-124-222-2	Sequence 2, Appli
1187	74	3.2	676	2	US-09-949-016-9494	Sequence 9494, Ap	1260	73.5	3.2	419	2	US-10-172-527A-14	Sequence 14, Appli
1188	74	3.2	711	2	US-09-134-001C-5250	Sequence 5250, Ap	1261	73.5	3.2	419	3	US-11-024-426-2	Sequence 2, Appli
1189	74	3.2	711	2	US-08-772-270A-12	Sequence 12, Appli	1262	73.5	3.2	431	2	US-09-489-039A-14276	Sequence 14276, A
1190	74	3.2	826	2	US-09-134-000C-4999	Sequence 4999, Ap	1263	73.5	3.2	441	2	US-09-540-226-2016	Sequence 2016, Ap
1191	74	3.2	834	1	US-08-677-734A-9	Sequence 9, Appli	1264	73.5	3.2	441	2	US-09-950-071-2	Sequence 2, Appli
1192	74	3.2	834	1	US-08-677-734A-10	Sequence 10, Appli	1265	73.5	3.2	444	2	US-09-492-709A-258	Sequence 258, App
1193	74	3.2	834	2	US-09-097-053-9	Sequence 9, Appli	1266	73.5	3.2	448	1	US-08-811-697A-18	Sequence 18, Appli
1194	74	3.2	834	2	US-09-097-053-10	Sequence 10, Appli	1267	73.5	3.2	448	1	US-08-855-213-18	Sequence 18, Appli

1268	73.5	3.2	448	2	US-09-201-474-18	Sequence 18, Appl	1341	73	3.2	823	1	US-07-745-206A-15	Sequence 15, Appl
1269	73.5	3.2	449	2	US-09-198-452A-575	Sequence 575, App	1342	73	3.2	823	1	US-08-311-363-15	Sequence 15, Appl
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GENERAL INFORMATION:						
APPLICANT: Ashkenazi, Avi J.						
APPLICANT: Baker, Kevin P.						
APPLICANT: Botstein, David						
APPLICANT: Desnoyers, Luc						
APPLICANT: Eaton, Dan L.						
APPLICANT: Ferrara, Napoleone						
APPLICANT: Fong, Sherman						
APPLICANT: Gerber, Hanspeter						
APPLICANT: Gerlitsen, Mary E.						
APPLICANT: Goddard, Audrey						
APPLICANT: Godowski, Paul J.						
APPLICANT: Grimaldi, J. Christopher						
APPLICANT: Gurney, Austin L.						
APPLICANT: Kijavlin, Ivar J.						
APPLICANT: Napier, Mary A.						
APPLICANT: Paoni, Nicholas F.						
APPLICANT: Roy, Margaret Ann						
APPLICANT: Stewart, Timothy A.						
APPLICANT: Tumas, Daniel						
APPLICANT: Watanabe, Colin K.						
APPLICANT: Williams, P. Mickey						
APPLICANT: Wood, William I.						
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PRIOR FILING DATE:	1998-07-07

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; PRIOR FILING DATE: 1998-07-09

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; APPLICANT: Goddard, Audrey
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; APPLICANT: Gurney, Austin L.
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; APPLICANT: Napier, Mary A.
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; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tuma, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730PIC19
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PRIOR FILING DATE: 1998-07-07
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PRIOR FILING DATE: 1998-07-07
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PRIOR FILING DATE: 1998-07-09

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RESULT 3
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APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
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APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
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Db 241 RIPRIIYVMONALKEQOHGALSRYLFRCCYCCFMCDDKYLILHNONAYTTTAINGTDFC 300
Qy 301 TSAXAPFILSNSSHFTSINCGDEIIFLGKVIYVCFVREGSLMAFYNNAFOVWAVPL 360
Db 301 TSAXAPFILSNSSHFTSINCGDEIIFLGKVIYVCFVREGSLMAFYNNAFOVWAVPL 360
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Qy 361 LVVAFPAVLVAHSFLSVFETVLDALFLCAVVDLETNDSSSEKPYFMDQEFLSFYKRSNKL 420
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Qy 421 NNARAQODKSLRNEEGTEIQAIVR 445
Db 421 NNARAQODKSLRNEEGTEIQAIVR 445
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RESULT 4
US-09-992-598-177
; Sequence 177, Application US/09992598
; Patent No. 6956108
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Batton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
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; APPLICANT: Goddard, Audrey
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; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paonli, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C20
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
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PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2315; DB 2; Length 445;
Best Local Similarity 100.0%; Pred. No. 1, 9e-241; Indels 0; Gaps 0;
Matches 445; Conservative 0; Mismatches 0;

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Db 61 DLSIEDTERENMKCVLGFATVSTGTFVAVLVLIIFVLRKRIKLTYELFOITNKATSSAPF 120
Oy 121 LLFQELMTFALIFFWVLVAVVLSLGTAGAAQVMEGGQVEKPLSGIRYMSYHLIGLI 180
Db 121 LLFQELMTFALIFFWVLVAVVLSLGTAGAAQVMEGGQVEKPLSGIRYMSYHLIGLI 180
Oy 181 WTSEIILACQOMTLAGAVVTCFVNSKNDPPDHPLSSLSLIFFHQGTVVKGSPLISVV 240
Db 181 WTSEIILACQOMTLAGAVVTCFVNSKNDPPDHPLSSLSLIFFHQGTVVKGSPLISVV 240
Oy 241 RIPRIIVVMONALKEQOHALSRILFRCCYCCFMCIDKRYLHLNQNAYTTTAINGTDFC 300
Db 241 RIPRIIVVMONALKEQOHALSRILFRCCYCCFMCIDKRYLHLNQNAYTTTAINGTDFC 300
Oy 301 TSAKDAFKILSKNSHFTSINCFGDFIIFLGRVLYVCFVFGGLMAFNYNRAFOVMVAVPL 360
Db 301 TSAKDAFKILSKNSHFTSINCFGDFIIFLGRVLYVCFVFGGLMAFNYNRAFOVMVAVPL 360
Oy 361 LLVAFALVVAHSFLSVETVLDALFLCPAVDLEFNDSSEKPYMDPEFLSPVRSKYL 420
Db 361 LLVAFALVVAHSFLSVETVLDALFLCPAVDLEFNDSSEKPYMDPEFLSPVRSKYL 420
Oy 421 NNARAQODKHSILRNEGTLEQAIIVR 445
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RESULT 5
US-09-989-735-177
; Sequence 177, Application US/09989735
; Patent No. 6972185

GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Batton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
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; APPLICANT: Gurney, Austin L.
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; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
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; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730PIC61
; CURRENT APPLICATION NUMBER: US/09/989,735
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/049787
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;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09
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;; APPLICANT: Ashkenazi, Avi J.
;; APPLICANT: Baker, Kevin P.
;; APPLICANT: Botstein, David
;; APPLICANT: Deenoyers, Luc
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;; APPLICANT: Napier, Mary A.
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;; APPLICANT: Paoni, Nicholas F.

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APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730PIC60
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CURRENT FILING DATE: 2001-11-19
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PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2315; DB 3; Length 445;
Best Local Similarity 100.0%; Pred. NO. 1.9e-241;

Matches 445; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 61 DLSTELDERENMKCVLGFALVSTGTVLVLLFVLRKRIKLTVELFOITNKAISSAPF 120
QY 121 LLFQPLMTFALLIFPMVLMVAVLVLSTGAGAAQWEGQVYKPLSGIRVMWSYHLGLI 180
DB 121 LLFQPLMTFALLIFPMVLMVAVLVLSTGAGAAQWEGQVYKPLSGIRVMWSYHLGLI 180
QY 181 WTSEFIILACQOMTLAGAVVTCYFNRSKNDDPDHPLISLILFFYHOGTVVKSFLISVV 240
DB 181 WTSEFIILACQOMTLAGAVVTCYFNRSKNDDPDHPLISLILFFYHOGTVVKSFLISVV 240
QY 241 RIPRIIWMONALKEOQHGLSRYLFRCCYCCFCGLDKYLLHNONAYTTTAINGDFC 300
DB 241 RIPRIIWMONALKEOQHGLSRYLFRCCYCCFCGLDKYLLHNONAYTTTAINGDFC 300
QY 301 TSAADAFILSKNSHFTSINCFDFFIIFLGKVLVVCFTVFGMLAFYNNRPOVMVAVPL 360
DB 301 TSAADAFILSKNSHFTSINCFDFFIIFLGKVLVVCFTVFGMLAFYNNRPOVMVAVPL 360
QY 361 LLVAFPAVLVAHSFLSVEFVLDLFLCFPAVDLETNDSSEKPYFMDSEFLSPYKRSNKL 420
DB 361 LLVAFPAVLVAHSFLSVEFVLDLFLCFPAVDLETNDSSEKPYFMDSEFLSPYKRSNKL 420
QY 421 NNAQAQDKHSLRNEEGTELOAIR 445
DB 421 NNAQAQDKHSLRNEEGTELOAIR 445

RESULT 7

US-09-997-514-177
Sequence 177, Application US/09997514
Patent No. 7019116
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Deenoyere, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerlicsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
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APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C46
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;; PRIOR FILING DATE: 1998-07-09

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Db 121 LLFQPLWTFALLIFFWLWVAVLISLGTAGAAQVMEGGOVEYKPLSGIRYMSYHLIGLI 180
Qy 181 WTSEFIACQOMTIAGAVVTCYFNRSKNDPPDHLISLSLFFPYHOGTVVKGSLISVV 240

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; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
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; APPLICANT: Watanabe, Colin K.
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; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
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; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C72
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PRIOR FILING DATE: 1998-07-02
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PRIOR FILING DATE: 1998-07-01
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PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091633
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982

PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2315; DB 3; Length 445;
Best Local Similarity 100.0%; Pred. No. 1,9e-241;
Matches 445; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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121 LILPOLMTFALLIFFWLWVAVLISGTAGAAQVMEGQVBYKPLSGIRTMWSYHLGLI 180

181 WTSEFIACQOMTITAGAVVTCYFNRSKNDPPDHPIISLSILFFYHOGTVVKSFLISVV 240
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241 RIPRIIVYMNQALKEQOQALSRYLFRCCYCCFWCLDKLHLNQAYYTTTAINGTDFC 300
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301 TSAADAFKILSKNSHSTSNCFDFTIIFLKVLVCFYVFGGMAFNRYRAFOVMAVPL 360
301 TSAADAFKILSKNSHSTSNCFDFTIIFLKVLVCFYVFGGMAFNRYRAFOVMAVPL 360

361 LILVAFVILVHASFVFEVLDLFLCFADVLETNDSSSEKPYFMDQEFLSFYKRSNKL 420
361 LILVAFVILVHASFVFEVLDLFLCFADVLETNDSSSEKPYFMDQEFLSFYKRSNKL 420

421 NNARAQODKSLRNEBGETELQATVR 445
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RESULT 9
US-09-997-349-177
Sequence 177, Application US/09997349
Patent No. 7034106
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Bostein, David
APPLICANT: Deanoys, Luc
APPLICANT: Eaton, Dan J.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gettlisen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kijavini, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secured and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C37

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;; PRIOR FILING DATE: 1998-07-01
;; PRIOR APPLICATION NUMBER: 60/091478
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;; PRIOR APPLICATION NUMBER: 60/091978
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/091982
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09
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Query Match      100.0%; Score 2315; DB 3; Length 445;
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Matches 445; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db      121 LLFQPLMTFAILIFEFVLMVAVLVLSTGTAGAAQVWEGQVEKPLSGIRYMSYHLIGLI 180
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Db      181 WTSEITLACQMTTLAGAVVTCYFNRSKNDPPDHPLLSLSLTFYHOGTVVKSFLISVV 240
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Oy      421 NNARAQODKHSLRNEGETELOAIR 445
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;; Patent No. 7034122
;; GENERAL INFORMATION:
;; APPLICANT: Ashkenazi, Avi J.
;; APPLICANT: Baker, Kevin P.
;; APPLICANT: Bostein, David
;; APPLICANT: Desnoyers, Luc
;; APPLICANT: Eaton, Dan L.
;; APPLICANT: Ferrara, Napoleone
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;; APPLICANT: Fong, Sherman
;; APPLICANT: Gerber, Hanspeter
;; APPLICANT: Gerritsen, Mary E.
;; APPLICANT: Goddard, Audrey
;; APPLICANT: Godowski, Paul J.
;; APPLICANT: Grimaldi, J. Christopher
;; APPLICANT: Gurney, Austin L.
;; APPLICANT: Kljavin, Ivar J.
;; APPLICANT: Napier, Mary A.
;; APPLICANT: Pan, James
;; APPLICANT: Paoni, Nicholas F.
;; APPLICANT: Roy, Margaret Ann
;; APPLICANT: Stewart, Timothy A.
;; APPLICANT: Tumas, Daniel
;; APPLICANT: Matanabe, Colin K.
;; APPLICANT: Williams, P. Mickey
;; APPLICANT: Wood, William I.
;; APPLICANT: Zhang, Zemin
;; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;; FILE REFERENCE: P2730P1C38
;; CURRENT APPLICATION NUMBER: US/09/997,653
;; CURRENT FILING DATE: 2001-11-15
;; PRIOR APPLICATION NUMBER: 60/049787
;; PRIOR FILING DATE: 1997-06-16
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PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2315; DB 3; length 445;
Best Local Similarity 100.0%; Pred. No. 1, 9e-241;
Matches 445; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 61 DLSIEDTERENMVCVGFALVSTGTAUVLLVIFVLRKRIKLVLELFOINKAISSAPF 120
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DB 121 LIFQPLMTFALLIFFWLWVAVLLSLGTAGAAQVMEGQVEYKPLSGIRYMSYHLIGLI 180
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DB 181 WTSEFIACQOMTAGAVVTCYFNRSXNDPPDHPILSSLSILFFYHOGTVVKGSLISV 240
QY 241 RIPIIYMMONAKKEOHGALSRYLFRCCGCCFCWCDKYLLHNONAYTTAINGTDFC 300
DB 241 RIPIIYMMONAKKEOHGALSRYLFRCCGCCFCWCDKYLLHNONAYTTAINGTDFC 300
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DB 301 TSADAFKILSKNSHFTSINCFDFTIIFLGKVLVVCFTVFGIMAFYNNRPFVMAVPL 360

Qy 361 LVAFPAIVAHSPFVSEYVLDLFLCGAVDLETTDSSSKPKYPMDOEPLSFYRSNKL 420
Db 361 LVAFPAIVAHSPFVSEYVLDLFLCGAVDLETTDSSSKPKYPMDOEPLSFYRSNKL 420
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Db 421 NNARAQODKHSIRNEEGTELQAIYR 445

RESULT 11
US-09-989-293A-177
Sequence 177, Application US/09989293A
Patent No. 7034136
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnovers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gottlieb, Mary E.
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APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C6
CURRENT FILING DATE: 2001-11-20
PRIOR APPLICATION NUMBER: US/09/989,293A
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PRIOR FILING DATE: 1998-07-01
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PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091633
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2315; DB 3; Length 445;

Best Local Similarity 100.0%; Pred. No. 1.9e-241; Indels 0; Gaps 0;

Matches 445; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 MSGRDTILGCIATLALSLAMFTFRFTTLVHIFISLVILGILFVCGVLMWLYDYDTN 60

DB 1 MSGRDTILGCIATLALSLAMFTFRFTTLVHIFISLVILGILFVCGVLMWLYDYDTN 60
QY 61 DLSIEDTERENKCVGPAIVSTGTAVALVLIPTLRKRKLVELFOITNKAISSAPF 120
DB 61 DLSIEDTERENKCVGPAIVSTGTAVALVLIPTLRKRKLVELFOITNKAISSAPF 120
QY 121 LIPQPLMTFPAIILFVFWLWVAVALISLTGAGAAQWEGQVYKPLSGIRYMSYHLIGLI 180
DB 121 LIPQPLMTFPAIILFVFWLWVAVALISLTGAGAAQWEGQVYKPLSGIRYMSYHLIGLI 180
QY 181 WTSEFIACQMTAGAVVTCYFNRSKNDPDPHLSLSLFFPHOCTVVKGSFLISVV 240
DB 181 WTSEFIACQMTAGAVVTCYFNRSKNDPDPHLSLSLFFPHOCTVVKGSFLISVV 240
QY 241 RIPRIIYMNQNALKEQOHGALSRYLRCYCCWCCLDKYLHLNQNAYTTAINGDFC 300
DB 241 RIPRIIYMNQNALKEQOHGALSRYLRCYCCWCCLDKYLHLNQNAYTTAINGDFC 300
QY 301 TSAADAFKLSKNSHTSINCFDFTIPLGKVLVVCFTVFGGLMAFVYNAFQWMAVPL 360
DB 301 TSAADAFKLSKNSHTSINCFDFTIPLGKVLVVCFTVFGGLMAFVYNAFQWMAVPL 360
QY 361 LIVAFAVLVAHSFLSVFETVLDALFLCPAVDLETNDSSSEKPYMDOEFLSFYKRSNKL 420
DB 361 LIVAFAVLVAHSFLSVFETVLDALFLCPAVDLETNDSSSEKPYMDOEFLSFYKRSNKL 420
QY 421 NNARAODKISLRNEBGETLOAIR 445
DB 421 NNARAODKISLRNEBGETLOAIR 445

RESULT 12

US-09-547-789-7
Sequence 7, Application US/09547789
Patent No. 6943335
GENERAL INFORMATION:
APPLICANT: Daniel E.H. Afar
APPLICANT: Rene S. Hubert
APPLICANT: Kahan Leong
APPLICANT: Arthur B. Raitano
APPLICANT: Douglas C. Saifman
TITLE OF INVENTION: NOVEL 13-TRANSMEMBRANE PROTEIN EXPRESSED
TITLE OF INVENTION: IN PROSTATE CANCER
FILE REFERENCE: 129.11USU1
CURRENT APPLICATION NUMBER: US/09/547,789
CURRENT FILING DATE: 2000-04-12
EARLIER APPLICATION NUMBER: 60/128,858
EARLIER FILING DATE: 1999-04-12
NUMBER OF SEQ ID NOS: 71
SOFTWARE: PasteSeq for Windows Version 4.0
SEQ ID NO 7
LENGTH: 704
TYPE: PRT
ORGANISM: Human
US-09-547-789-7

Query Match 25.7%; Score 594.5; DB 2; Length 704;

Best Local Similarity 30.1%; Pred. No. 4e-55;

Matches 147; Conservative 90; Mismatches 153; Indels 99; Gaps 15;

QY 7 ILGCIATLALSLAMFTFRFTTLVHIFISLVILGILFVCGVLMWLYDYDTN--- 60
DB 234 ILGL-VIAMWASLFTILRLFLAGIMWMIIVILVIGIIFC-----YMEYSRLRG 286
QY 61 -----DLSIEDTE-----RENKCVGPAIVSTGTAVALVLIPTLRKRKLVE 106
DB 287 EAGSDVSLVLDGFGTDRVYVHLRQTV---LAFWIIISILEVITIIILIFLRKRIILAI 343
QY 107 LFOITNKAISSAPFLFOPLMTFPAIILFVFWLWVAVALISLTGAGAAQ----- 153
DB 344 LKESASRAVGVMCSLLYPLVTFPLCLCIAWASTAVFISTSENAVYKKIPDSDPCPTA 403
QY 154 -----VMEGQVY-KPLSGIRYMSYHLIGLIWTSSEFLA 188

Db 404 KTCNPETFPSSHESRQCPCNARCOFVFYGGESGYHRAHGLQI---FNAMFEMLANFYLA 460
Qy 189 CQQTINGAVATCTCN-RSKNDPPDHPILSSLSILFFHOCTVWKGSLISVAPRIIV 247
Db 461 LGQVTLGAFASYYWALKRPDPLPAFLPSAFGRALRHTGSLAFGALILAIIVDIRIL 520
Qy 248 MYMONALKEOQHGALSRILFRCCYCCFCWCLDKYLLHNONAYTTAINGDFTCSAKDAF 307
Db 521 EYLDORLKAAMN-KPAKCLMTCLKCCFCWCLDKYLLHNONAYTTAINGDFTCSAKDAF 579
Qy 308 KILSKNSHFTSINCEGDFIIFLQKVLVVCFTVFGILMAF-----NYN 350
Db 580 FLAKRNIRIVAVLDKVTDFLFLGKLIVGSV---GILAFPFETHIRIRIVDTAPPLNY- 635
Qy 351 RAPOVMAVPLLVAFVAVHSPISVETVLDALFLCFVADLETNOSSEKPYEMOEF 410
Db 636 ---YV-VPIITLVGSYLIAGFPFSYVGMCDTFLCFLDLERNDGSAERPYFMSSTL 690
Qy 411 LSPVRSNK 419
Db 691 KKLKNTKX 699

RESULT 13
US-10-104-047-3465
; Sequence 3465, Application US/10104047
; Patent No. 6943241
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: NO. 6943241e1 full length cDNA
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; PRIOR FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 3465
; LENGTH: 717
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-104-047-3465
Query Match 24.3%; Score 563; DB 2; Length 717;
Best Local Similarity 29.7%; Pred. No. 1,1e-51;
Matches 142; Conservative 87; Mismatches 171; Indels 78; Gaps 14;
Qy 7 ILGLIALALSLAMMFTFRPITTLVHIFISLVILGLFVCGV-LMWLYDYDTN----- 60
Db 246 LIGLITL-AMVLSWIFLILRLPAGCLFWVF---MIGVIGILGYGIMHCYQOYTLQDRP 300
Qy 61 -----DLSTELDRER--ENMKCVLGRPAIVSTGTAVLVILFVLRRIKLTVELPQIT 111
Db 301 SSVLTIVIGQTNISMVFELOQWTFMILICIEVILMILFLRNRIRAVAILLKEG 360
Qy 112 NKAISSAPFLFQPLMTFAILIFFVWLWVAVLLSSTAGA----- 151
Db 361 SKALGVYSTVLPVLTFTILSLICCYVWVAVFLATSGVPRYKVIAGGCHENQTC 420
Qy 152 -----AQMVEGGQVEYKPLSG---IRYMSYHLIGL---IWTSEFIIACQOMTIA 195
Db 421 PEIFETTEIAKACPGALCNFAFYGGKSLYHOYIPFHYNYNLFVFLMLINFYALQOCALA 480
Qy 196 GAVVTCYENRSK-NRPDPHPISSLSILFFHOGVWVGSFLISVVRIPRIIVMMQNAL 254
Db 481 GAFATYVAMKRPDDIPRYPPETAGRAIRYHTGSLAGSLIALIQMFKVILEYLDRL 540
Qy 255 KEQHGALSRVLFRCYCCFCWCLDKYLLHNONAYTTAINGDFTCSAKDAFKILSKNS 314
Db 541 KRTQN-TLSKFLQCCLRCCFCWCLDENAIKFLNRNAIMAIYGRNCRSAKDAFNLMMGV 599
Qy 315 SHFTSINCGDPIIFLGKVLV-----VCFT-----VFGILMAFNYNRAFOVMAVPL 360

Db 600 LKVAVTDEVTYFVFLFLGKLLVAGSIGVLAFLFFQRLPVIAQGPASINY-----YM-VPL 653
Qy 361 LVVAFVYLVASHLSVFEVVDALFLCFVADLETNOSSEKPYEMOEFISFYKRN 418
Db 654 LTVIFGSYLIAGHFPFSYVAMCVETIFLCFLDLERNDGSTARPYVSOPLKIFQEBN 711

RESULT 14
US-09-547-789-2
; Sequence 2, Application US/09547789
; Patent No. 6943235
; GENERAL INFORMATION:
; APPLICANT: Daniel E.H. Afar
; APPLICANT: Rene S. Hubert
; APPLICANT: Kahan Leong
; APPLICANT: Arthur B. Raitano
; APPLICANT: Douglas C. Saltan
; TITLE OF INVENTION: NOVEL 13-TRANSMEMBRANE PROTEIN EXPRESSED
; FILE REFERENCE: 129,11US01
; CURRENT APPLICATION NUMBER: US/09/547,789
; EARLIER FILING DATE: 2000-04-12
; PRIOR FILING DATE: 1999-04-12
; NUMBER OF SEQ ID NOS: 71
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 710
; TYPE: PRT
; ORGANISM: Human
US-09-547-789-2

Query Match 23.3%; Score 540; DB 2; Length 710;
Best Local Similarity 28.0%; Pred. No. 3.2e-49;
Matches 135; Conservative 96; Mismatches 160; Indels 90; Gaps 14;
Qy 12 ILALSLAMMFTFRPITTLVHIFISLVILGLFVCGV-LMWLY----- 56
Db 233 LVNAGVALVLSLFLILLRLVAGPLVVLILGVL---GVLAHYGYCWEERYVLRDKAS 289
Qy 57 ----DYNDLSIELDERENMKCVLGRPAIVSTGTAVLVILFVLRRIKLTVELPQITN 112
Db 290 ISQLEFTTNLSAYOSVQETWMLALIVLV---LEAILMLILFLRIRIRIALILKEAS 345
Qy 113 KAISAPFLFQPLMTFAILIFFVWLWVAVLLSSTAGA-----AAQVMEGGQVEYKPL 165
Db 346 KAVGQMMSTMFPLVLTFTVILICIAVYAMTRALYATSGQPOYVMAENISSPG-CEKVP 404
Qy 166 S-----GIRYMS-----YHLIGLIWTSEFIIACQOMT 193
Db 405 NTCNPTAHLVNSSCPGIMCVFGYSSKGLIQRSVFNLIQIVGVGLFWTLAMVVALQCV 464
Qy 194 IAGAVTCYENRSK-NRPDPHPISSLSILFFHOGVWVGSFLISVVRIPRIIVMMQNON 252
Db 465 IAGAFASFVAFHPRQDIPTEPPLISAFIRTLRYHTGSLAGFALLITLVQIARVILEYIDH 524
Qy 253 ALKEQHGALSRVLFRCYCCFCWCLDKYLLHNONAYTTAINGDFTCSAKDAFKILSK 312
Db 525 KLRGVQN-PVARKCMCPCKCLMCKLEKFIKFLNRNAIMAIYGRNCRSAKDAFNLMMR 583
Qy 313 NSHFTSINCGDPIIFLGKVLV-----CFVFGILMA-----FNYNRAFOVW 356
Db 584 NIVRVVVLDKVTLDLFFGKLLVGVGVLSFFFSRIRIPOLGKDFKSPHLNY-----YM 638
Qy 357 AVPLLVAFVAVHSPISVETVLDALFLCFVADLETNOSSEKPYEMOEFISFYK 416
Db 639 -LPIMTSILGAYIASGFPFSYVGMCDTFLCFLDLERNDGSLDRPYMSKSLKILGK 697
Qy 417 SNK 419
Db 698 KNE 700

RESULT 15
US-09-547-789-5

/ Sequence 5, Application US/09547789
/ Patent No. 6943235
/ GENERAL INFORMATION:
/ APPLICANT: Daniel E.H. Afar
/ APPLICANT: Rene S. Hubert
/ APPLICANT: Kahan Leong
/ APPLICANT: Arthur B. Raitano
/ APPLICANT: Douglas C. Saffran
/ TITLE OF INVENTION: NOVEL 13-TRANSMEMBRANE PROTEIN EXPRESSED
/ FILE REFERENCE: 129.11USU1
/ CURRENT APPLICATION NUMBER: US/09/547,789
/ EARLIER FILING DATE: 2000-04-12
/ EARLIER APPLICATION NUMBER: 60/128, 858
/ NUMBER OF SEQ ID NOS: 71
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 5
/ LENGTH: 705
/ TYPE: PRT
/ ORGANISM: Mouse
US-09-547-789-5

Query Match 23.3%; Score 538.5; DB 2; Length 705;
Best Local Similarity 27.7%; Pred. No. 4.6e-49;
Matches 133; Conservative 87; Mismatches 174; Indels 87; Gaps 9;

QY 12 ILALSLAMMTFRFTITLTVHIFISIVITGLFVC--GVL-WMLVYDYNTDLSIBDT 68
DB 229 LVALGVALLSLFTLLRLVAPLVLLIVGLVLAIVGYHCOQOVFRDKASITQ 288
QY 69 ERENKCVLGFPA-----IVSTGITVLLVILFYLKRIKLTVELFOIT 111
DB 289 -----LGFTTNSAYQSVKETMLALIVLAVLEGLLMLFLRQRIKIALALKEA 340
QY 112 NKAISAPFLFQPLMTFALIFFWLTVAVVLLSIGTAGAAQ----- 153
DB 341 SRAVGQWMTFYPVLFVLLVICIGYAWATVATYATSGOPQIYMASNTSTPGCENPV 400
QY 154 -----VMEGGQVEYKPLSGIRVMSYHLIGLWTSBFLACQOQMTI 194
DB 401 NMTCDPMAPLNSSCPMLKCVFKGYSTGTGLAQRSLFNLIQYGLFWTVNVLALGQCVL 460
QY 195 AGAVVTCYFNRSK-NDPPDHPILSSILFFYHOGTVKGSFLISVARIPIIIVMYMNA 253
DB 461 AGAFASFYWAHFKRPDIPTFPLSSAFRTLRHYTGSALFAGALLISVQIARVILEYIDHK 520
QY 254 LKEQDHGALSRYLPRCCYCCFWCLDKYLLHLNQNAYTTAINGTDPCTSAKDAFKILSKN 313
DB 521 LRGSQN-PVARCIIICCFKCLMCLEKFKFLNRNAYIMAIYGNKFCVSANNAFWLLMRN 579
QY 314 SSHFTSINCFGDFIIFLGKVLVVCFTVFGGLMAFN-----NRAFWAV 358
DB 580 VLRVAVLDKVTDLFLFGKLLV-----GSVGLSFFFGSGRIKGLKDFENPNLNTYWL 634
QY 359 PLLVAFPAVLVAHSFLVFETVLDALFLCPAVDLETNDGSSSEKPYFMDQEFSLFVKRSN 418
DB 635 PIMTSINGAYVYIAGSFVFGMCVDTLFLCLFLEDERNDGQERPYWPKALLKILGKKN 694
QY 419 K 419
DB 695 E 695

Search completed: June 15, 2006, 07:03:36
Job time : 45 secs

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